Replacement Parts List No. 057119000
Revision J 09/13

Self-Contained Variable and Constant Air Volume Top Mounted Fan

SWT
Sizes: 018 - 040
Vintage: C

DAIKIN McQUAY®

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[1] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.

Parts List Revision History

Revision	Date	Description
Draft Copy	6/98	Draft Copy
2nd Draft	1/99	2nd Draft Copy: Page 12 - Corrected part number for Top Side (Ref.#882) for sizes 018-028.
3rd Draft	9/00	3rd Draft Copy: Page 16 - Added Potentiometer to Bub 701.
A	12/05	Page 10: Added note. Page 11: Evaporator Coils table is for DX type. Page 26: Moved the Upper and Lower Condenser Assembly info to its own table on bottom of page. Added Schrader Stem and added Strap for 3/02 and later. Page 27: Removed Filter Drier Assembly and added note. Page 30: Added bub 631 and note. Page 41: Bub #86 Voltage Monitor for 400/460V & 575V p/n changed from 059475306 to 098860401. Bub. #91 D.S. Bracket 208/230V is for units until 4/01 and 400/460 & 575 voltage units.
B	1/07	Page 14: Electric Heater- 17 KW / 575V pn was changed from 072600**3**03 to 072600**2**03. Page 21: Changed the paragraph- removed words 'Spectrum Drives Catalog' and replaced with 'McQuay Parts Drive Components Cross-Reference' and removed International Parts Group and replaced with McQuay Parts.
C	3/09	Title page: Note added "This RPL valid for units built 1999 & earlier. For units built 2000 & later, contact McQuay Parts."
D	6/10	Replaced Cover and Revision pages with current design logo. Various: Added note: "This RPL valid for units built 1999 & earlier. For units built 2000 & later, contact McQuay Parts." Page 30: Deleted p/ns and added footnote to contact McQuay Parts in order to make a correct ID.
E	8/10	Rewrote and repaginated form to include parts for units built from the start of the production run to 2010.
F	8/11	Page 92: Changed Bub # 69**6** to 69**4**. Page 94: Re-arranged and updated tables for fan assys. for units built before 2000 & after 2002.
G	10/11	Page 94: Changed Header "Fan Assy. w/o VIV Code 16= 152**V**" to "Code 16= 152**Y**".
H	12/11	Page 65: Changed SPS1-3 p/ns 049545012 to 910124529 & 049545013 to 910124528. Added footnote #4.
I	08/12	Cover, Rev. pg.: Updated to Daikin McQuay logo format. Various: Changed "McQuay Parts" to "**Daikin** McQuay Parts". Page 94: Changed "Fan Wheel/Housing" to "**Fan Wheel**". Deleted footnote #4. 205326614 is one wheel only.
J	09/13	Various: Changed 12 HP compr. to actual rating of 13 HP. (Code 14= 12 is 13HP cmpr.) Page 6- 8: Updated "Unit Model Number Complete" coding. Page 17: Added description "**SPST**" to p/n 072504201 and "**DPDT**" to p/n 072504301. Page 21, 38: Added Schematic designator to table. Page 65 (NEW): Added page for 6/13 & Later Control Box diagram. Repaginated form and updated TOC. Page 66 (NEW): Added Control Box Label Diagram page. Repaginated form and updated TOC. Page 65 (OLD) 67 (NEW): Rewrote footnotes. Page 80 (OLD) 93 (NEW): Added table with MTIII Water Valve/Actuator p/ns. Page 80- 90 (NEW): Added pages for 6/13 & Later Control box Components. Repaginated and updated TOC. Page 87 (OLD) 100 (NEW): Changed page header from "**McQuay** Inverters" to "**MD2, 3, 6** Inverters". Updated TOC. Page 88 (OLD) 102 (NEW): Rewrote footnote #1. Page 94 (OLD) 108 (NEW): Rewrote footnotes. Page 101 (NEW): Added page for MD4, 5 VFDs. Repaginated form and updated TOC.

Model & Serial Number Nomenclature

SWT 023 C

Unit Type:
SWT = Self-Contained, Water Cooled,
Top Mounted Fan

Unit Size (Nominal Tons):
018 = 18 Ton
023 = 23 Ton
028 = 28 Ton
035 = 35 Ton
040 = 40 Ton

Vintage

Serial Numbers 1999 & Before

3 Z F 12345 00

Plant Identification
3 = Faribault, MN
5 = Staunton, VA

Year of Manufacture
Z = 1994
5 = 1995
6 = 1996
7 = 1997
8 = 1998
9 = 1999

Month of Manufacture

A = January	G = July
B = February	H = August
C = March	J = September
D = April	K = October
E = May	L = November
F = June	M = December

Engineering Revision

Sequence Number

Serial Numbers 1999 & After

FBO U 02 05 04820

Plant Identification
FBO = Faribault, MN
STN = Staunton, VA

U = Unit

Year of Manufacture
99 = 1999
00 = 2000
01 = 2001
02 = 2002
03 = 2003
etc.

Month of Manufacture

01 = January	08 = August
02 = February	09 = September
03 = March	10 = October
04 = April	11 = November
05 = May	12 = December
06 = June	
07 = July	

Sequence Number

Unit Model Number Complete

SWT***C	12	AL	P	LDP	YY	Y	YY	S	Y	S	6A	05050505YYYY	A	151Y	KE
Code	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17

1025S	YY	FSFYY	BU	YY	R	S	11	YY	YY	WY1	YS	Y	Y	1	YY	P	1	A	A
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37

03 Unit Voltage
12= 208/60/3 29= 230/60/3
27= 460/60/3 37= 575/60/3

04 Starting Option
AL= Across the Line Start

05 Field Power Connection
D= Single Point Disconnect (Unit Mounted)
P= Single Point Power Block (Unit Mounted)
M= Multi Point, Dual Disconnects
A= Multi Point, Dual Power Blocks
X= Special

06 Control Package
MicroTech Controls
Digit 1
1= Constant Volume, Single Zone Sensor
2= Discharge Air Control SA Sensor, VAV
4= Discharge Air Control, Heat Discharge
5= Constant Volume w/ Discharge Air Control
X= Special
Digit 2
M= MicroTech
X= Special
Digit 3
Y= Standard Controller
E= Expanded Control Package
X= Special
MicroTech II Controls
Digit 1
L= Lon Mark
B= BACNet with MSTP
E= BACNet with IP
S= Standalone (No Network Communication)
Digit 2
D= Discharge Air Control
S= Space Comfort Control
Digit 3
P= Purchased Control Panel
Y= In House Control Panel
MicroTech III Controls
Digit 1
L= Lon Mark
B= BACNet with MSTP
E= BACNet with IP
S= Standalone (No Network Communication)
C= BACnet/MSTP card, (VAV Contactor configurable)
A= Daikin/D3 Gateway card
Digit 2
E= Discharge Air Control
F= Space Comfort Control
Digit 3
P= Purchased Control Panel
Y= In House Control Pane

07 Special Software
YY= No Requirement
11= 100% Outside Air
22= Dehumidification Control (MicroTech II)
XX= Special

08 Optional MicroTech Hardware
Y= No Requirement
M= With Modem
A= Auxiliary Battery Pack
B= With Modem and Auxiliary Battery Pack
X= Special

09 Auxiliary Controls (2004 & Before)
Digit 1
Y= No Requirement
F= Freezestat
P= Phase Failure
A= Phase Failure + Freezstat
Digit 2
Y= No Requirement
F= Water Flow Switch
S= 2nd Duct Static Sensor
A= 2nd Duct Sensor + Water Flow Switch

09 Alternate Refrigerants (2004 & After)
YY= R22 and Standard Mineral Oil
CP= R407C and POE Oil

10 Quantity of Refrigeration Circuits/Capacity Staging
S= Independent circuit for each compressor (1 to 6 circuits)

11 Evaporator Circuiting (1998 & Before)
Y= Combination Row Split/Interlaced
X= Special

11 Dehumidification Control (1998 to 2005)
Y= Combination Row Split/Interlaced
X= Special

11 Refrigeration Specialties (2005 & Later)
Y= No Requirement
H= Hot Gas Bypass-Circuit #1
X= Special

12 Inverter
Y= No Requirement
1= Reliance With Bypass
2= Remote Mounted Inverter
3= ABB With Bypass
4= ABB Ready Unit With Bypass
5= Reliance Ready Unit With Bypass
6= Reliance Without Bypass
7= ABB Without Bypass
8= ABB Ready Unit Without Bypass
9= Reliance Ready Unit Without Bypass
G= Graham/Danfoss With Bypass
S, B= Daikin McQuay With Bypass
Q= Schneider With Bypass
X= Special

Unit Model Number Complete, Continued

13 Cooling Coil Selection
- 4A= 4 Row 12 FPI AL Fin
- 6A= 6 Row 12 FPI AL Fin
- 8A= 8 Row 12 FPI AL Fin
- 4S= 4 Row 12 FPI AL Fin, SSTL Casing
- 6S= 6 Row 12 FPI AL Fin, SSTL Casing
- 4B= 4 Row 14 FPI AL Fin
- 6B= 6 Row 14 FPI AL Fin
- 8B= 8 Row 14 FPI AL Fin

14 Compressor Selections

Digit 1-2, 3-4, 5-6, 7-8, 9-10, 11-12
- 05= 6HP Compressor
- 10= 10HP Compressor
- 12= 13HP Compressor
- YY= No Requirement
- XX= Special

15 Filters

With Access Door Provided
- Y= 4" Rack Only
- A= 4" 30% Pleated Filter
- B= 4" 65% Pleated Filter
- C= 4" 85% Pleated Filter
- D= 4" 65% Pleated Filter with 4" 30% Prefilter
- E= 85% Pleated Filter with 4" 30% Prefilter
- F= 4" Rack Only with 4" 30% Prefilter
- G= 2" Rack Only less Filters
- H= 2" 30% Pleated Filter

With No Access Door Provided
- J= 4" 30% Pleated Filter
- K= 4" 65% Pleated Filter
- L= 4" 85% Pleated Filter
- Q= 2" Rack Only less Filters
- R= 2" 30% Pleated Filter

16 Fan Selection

Digit 1-2
- 15= 15" Fan
- 18= 18" Fan

Digit 3
- 1= Single Fan
- 2= Dual Fan (035C & 040C Only)

Digit 4
- A= AF Fan with No Variable Inlet Vanes
- 2= Dual Motor Drive
- V= FC fan with Variable Inlet Vanes
- Y= FC fan with No Variable Inlet Vanes

17 Fan Motor Selection- High Speed Motor

Digit 1, Motor HP
- G= 2HP; H= 3HP; J= 5HP; K= 7.5HP;
- L= 10HP; M= 15HP; N= 20HP; P= 25HP;
- X= Special

Digit 2, Motor Type
- A= Standard Efficiency ODP Motor
- E= High Efficiency ODP Motor
- S= Premium Efficiency ODP Motor
- H= High Efficiency TEFC Motor
- T= Premium Efficiency TEFC Motor
- X= Special

18 Fan Motor Drive Selection- High Speed Motor

****S= (****)= Fan RPM/ S= Std. Fixed Drive
****F= (****)= Fan RPM/ F= 150% Fixed Drive

19 Fan Motor Selection- Low Speed Motor (2000 & Before)

Digit 1, Motor HP
- G= 2HP; H= 3HP; J= 5HP; K= 7.5HP; L= 10HP;
- M= 15HP; N= 20HP; P= 25HP;
- Y= No Requirement; X= Special

Digit 2, Motor Type
- Y= No Requirement
- A= Standard Efficiency ODP Motor
- E= High Efficiency ODP Motor
- S= Premium Efficiency ODP Motor
- H= High Efficiency TEFC Motor
- T= Premium Efficiency TEFC Motor
- X= Special

19 UV Lights for Cooling Coil (2000 & Later)
- YY= No Requirement
- UV= UV Lights

20 Fan Motor Drive Selection- Low Speed Motor (2000 & Before)

****S= (****)= Fan RPM/ S= Std. Fixed Drive
****F= (****)= Fan RPM/ F= 150% Fixed Drive

20 Auxiliary Controls (2000 & Later)

Digit 1
- Y= No Requirement
- F= Freezestat
- P= Phase Failure
- A= Freezestat and Phase Failure

Digit 2
- Y= No Requirement
- F= Water Flow Switch (Code 25 must = YY)
- S= 2nd Static Pressure Sensor
- A= Water Flow Switch and 2nd Static Pressure Sensor

Digit 3
- Y= No Requirement
- F= Dirty Filter Switch

Digit 4
- Y= No Requirement
- F= Frost Protectors

Digit 5
- A, Y= Factory codes

21 Air Discharge Arrangement

Digit 1, Air Discharge Arrangement
- B= Back
- F= Top Front
- U= Upblast Front
- V= Upblast Back

Digit 2, Fan Section Handling
- U= Unit Mounted Fan Section
- M= Modular Shipment (Section Shipped separately)

22 No Requirement, Not an SWT Code
- YY= No Requirement

23 Unit Hand (Condensing Section)
- L= Left Hand
- R= Right Hand
- X= Special

24 Condensers
- S= Cleanable Tube (Low Temp Condensing)
- G= Cleanable Tube (High Temp Condensing)

Unit Model Number Complete, Continued

25 Condenser Water Valve
- YY= No Requirement
- 11= 2-Way Valve and Control
- 22= 3-Way Control w/ 2-Way Water Valve

26 Waterside Economizer
- Digit 1
  - Y= No Requirement
  - 1= Cleanable Coil
  - 2= Non-Cleanable Coil
- Digit 2
  - Y= No Requirement
  - 1= No Flow on Shutoff (Standard)
  - 2= Full Flow on Shutoff (Optional)

27 Airside Economizer Mixing Box
- YY= No Requirement
- RY= Field Supplied, Remote Mounted, MicroTech Controlled (Code 26 must = YY)

28 Heat Selection
- YYY= No Requirement (Cooling Only)
- E16= 16 KW Electric Heat
- E34= 34 KW Electric Heat
- WY1= 1 Row 12 FPI HW Coil less Valve
- WY2= 2 Row 12 FPI HW Coil less Valve
- W21= 1 Row 12 FPI HW w/ on off Valve Control
- WM1= 1 Row 12 FPI HW Coil w/ 2-Way Modulating Control Valve
- XXX= Special

29 Cabinet Lining (Before 8/04)
- Digit 1
  - Y= Standard Construction (No liners)
- L= Solid Liners
- Digit 2
  - S= Standard (1" 1.5# insulation)

29 Cabinet Lining (After 8/04)
- Digit 1
  - Y= Standard Construction (No liners, 1" 1.5# Insulation)
  - L= Solid Liners (1" 1.5# insulation)
  - P= Perf-liners (1" 3# insulation)
- Digit 2
  - S= Standard Full Size Access Panels
  - D= Dual Side Access Panels

30 Seismic Fan Mountings (Before 3/05)
- Y= No Requirement
- 1= Seismic Fan Mountings

30 Seismic Fan Mountings (After 3/05)
- Y= Standard 1" Deflection Spring
- 1= Seismic Fan Mountings

31 Hot Gas Bypass (2000 & Before)
- Y= None
- 1= Hot Gas Bypass Circuit #1

31 Service Valves and Roto Locks (2000 & After)
- Y= No Requirement
- 1= Filter Drier Service Valves with Compressor Roto-Locks

32 Modular Contruction
- Y= No Requirement
- 1= Modular Construction for Field Assembly
- X= Special

33 Miscellaneous
- YY= No Requirement
- XX= Special

34 Approval Listing
- Y= No Requirement
- A= ETL/CETL/ASHRAE 90.1
- P= ETL/CETL/MEA
- X= Special

35 Packaging
- 1= Standard (Plastic Wrap)
- X= Special

36 Parts Warranty
- A= Standard One Year
- C= Two Years Total
- D= Three Years Total
- E= Four Years Total
- F= Five Years Total
- Z= Special

37 Compressor Warranty
- A= Standard One Year
- Q= Five Years Total
- X= Special

Electrical Legend- MicroTech

Designation [1]	Description	Standard Location [2]
ACT1	ACTUATOR, VARIABLE INLET VANE	SUPPLY AIR FAN HOUSING
ACT2	ACTUATOR, BYPASS VALVE	NEAR CONDENSER
ACT3	ACTUATOR, WATER ECONOMY VALVE	NEW CONDENSER WATER INLET
ACT4	ACTUATOR, HW OR STEAM VALVE	NEAR HW OR STEAM COIL
ACT5	ACTUATOR, CW VALVE	NEAR CW WATER INLET
AMPS1	SENSOR, LOW SPEED FAN MOTOR CURRENT	MAIN CONTROL BOX
DHL	SWITCH, DUCT HIGH LIMIT	MAIN CONTROL BOX
DS	SWITCH, DISCONNECT	MAIN CONTROL BOX
EWT	SENSOR, ENTERING WATER TEMPERATURE	CONDENSER WATER INLET
F1- F27	FUSES	MAIN CONTROL BOX
FB1- 6, FB8, FB10- 12	FUSEBLOCKS	MAIN CONTROL BOX
FP1- 6	FROST PROTECTION, REFRIGERATION CIRCUITS	EVAPORATOR COIL
FS1	SWITCH, FREEZSTAT	NEAR FILTERS
HL13A, HL13B	HIGH LIMITS, POWER, ELECTRIC HEATERS	HEAT SECTION, ELECTRIC
HL14A, HL14B	HIGH LIMITS, POWER, ELECTRIC HEATERS	HEAT SECTION, ELECTRIC
HP1-6	SWITCH, HIGH PRESSURE	ON COMPRESSORS
HS	SENSOR, HUMIDITY	CONDITIONED SPACE
HTR11, 12, 15, 16	ELECTRIC HEATERS	DX COIL
INPUT BOARD	MICROTECH INPUT CONDITIONING BOARD	MAIN CONTROL BOX
K0	RELAY, ALARM	OUTPUT BOARD
K1- 4, K16, K17	RELAY, COMPRESSORS	OUTPUT BOARD
K5	RELAY, BYPASS	OUTPUT BOARD
K6	RELAY, VAV/HEAT	OUTPUT BOARD
K7	RELAY, WATER ECONOMIZER CLOSE	OUTPUT BOARD
K8	RELAY, WATER ECONOMIZER OPEN	OUTPUT BOARD
K9	RELAY, VAV CLOSE	OUTPUT BOARD
K10	RELAY, VAV OPEN	OUTPUT BOARD
K11	RELAY, ELECTRIC HEAT STAGE 1/HW STEAM CLOSE	OUTPUT BOARD
K12	RELAY, ELECTRIC HEAT STAGE 1/HW STEAM OPEN	OUTPUT BOARD
K13	RELAY, FAN ON	OUTPUT BOARD
K14	RELAY, OUTSIDE AIR DAMPER	OUTPUT BOARD
K15	RELAY, FAN OPERATION	OUTPUT BOARD
K24	RELAY, SMOKE START	OUTPUT BOARD
K25	RELAY, REMOTE SHUT-DOWN	OUTPUT BOARD
K26	RELAY, CONTROL	OUTPUT BOARD
K27	RELAY, UNIT SHUT-DOWN	OUTPUT BOARD
K28	RELAY, LOW SPEED FAN MOTOR	OUTPUT BOARD
K29	RELAY, FAN MOTOR	OUTPUT BOARD
LP1- 6	SWITCH, LOW PRESSURE	ON COMPRESSORS
LWT	SENSOR, LEAVING CONDENSER WATER TEMPERATURE	CONDENSER WATER PIPE
M1- M6	CONTACTOR, COMPRESSOR	MAIN CONTROL BOX
M8	CONTACTOR, LOW SPEED FAN MOTOR	MAIN CONTROL BOX
M10	CONTACTOR, FAN MOTOR	MAIN CONTROL BOX
M11, M12	CONTACTOR, ELECTRICAL HEATER CONTROL	MAIN CONTROL BOX
M13, M14	CONTACTOR, ELECTRICAL SAFETY CONTROL	MAIN CONTROL BOX
M15- M18	CONTACTOR	MAIN CONTROL BOX
M19, M20	CONTACTOR, INVERTER CONTROL	MAIN CONTROL BOX
MAT	SENSOR, MIXED AIR TEMPERATURE	BEHIND FILTERS
MCB1	MICROPROCESSOR CONTROL BOARD	MAIN CONTROL BOX
MP1- 6	SOLID STATE MOTOR PROTECTOR, COMPRESSORS	COMPRESSOR JUNCT. BOX
OAE	SWITCH, OUTSIDE AIR ENTHALPY	EXTERNAL
OAT	SENSOR, OUTSIDE AIR TEMPERATURE	EXTERNAL
OL8, OL10	RELAY, FAN MOTOR OVERLOAD	MAIN CONTROL BOX
OUTPUT BOARD	MICROTECH OUTPUT CONDITIONING BOARD	MAIN CONTROL BOX
PB1	POWER BLOCK, POWER DISTRIBUTION	MAIN CONTROL BOX
PC5	SWITCH, CLOGGED FILTER	MAIN CONTROL BOX
PC7	SWITCH, AIRFLOW	MAIN CONTROL BOX

[1] Schematic designators may vary depending upon the age and configuration of the unit. Refer to the unit schematic for more information.
[2] Component locations listed are are typical and are to be used for reference only.

Electrical Legend- MicroTech, Continued

Designation [1]	Description	Standard Location [2]
PSR	SENSOR, REFRIGERANT PRESSURE	LIQUID LINE
RAT	SENSOR, RETURN AIR TEMPERATURE	EXTERNAL
RF	RELAY, RUN FAST	MAIN CONTROL BOX
RS	RELAY, RUN SLOW	MAIN CONTROL BOX
S1	SWITCH, MICROTECH RESET	MAIN CONTROL BOX
S2	SWITCH, UNIT	MAIN CONTROL BOX
S3	SWITCH, UNIT	MAIN CONTROL BOX
SAT	SENSOR, SUPPLY AIR TEMPERATURE	NEAR FAN INLET
SD1	SMOKE DETECTOR	FIELD MOUNTED
SPS1, SPS2	SENSOR, DUCT STATIC PRESSURE	MAIN CONTROL BOX
T1	TRANSFORMER, MAIN CONTROL	MAIN CONTROL BOX
T2	TRANSFORMER, CONTROL INPUT	MAIN CONTROL BOX
T3	TRANSFORMER, CONTROL MICROTECH	MAIN CONTROL BOX
UVP	UNDER VOLTAGE/PHASE FAILURE PROTECTION	MAIN CONTROL BOX
VELI	SENSOR, VELOCITY	MAIN CONTROL BOX
WF1	SWITCH, CONDENSER WATER FLOW	NEAR CONDENSER

[1] Schematic designators may vary depending upon the age and configuration of the unit. Refer to the unit schematic for more information.
[2] Component locations listed are are typical and are to be used for reference only.

Electrical Legend- MicroTech II

Designation [1]	Description	Standard Location [2]
ACT1	ACTUATOR, VARIABLE INLET VANES	SUPPLY FAN SECTION
ACT2	ACTUATOR, BYPASS VALVE	CONDENSER VALVE
ACT3, ACT4	ACTUATOR MOTOR, ECONOMIZER	WATERSIDE ECON. VALVE
AFD10	ADJUSTABLE FREQUENCY DRIVE, SUPPLY FAN	MAIN CONTROL/FRONT ASSEMBLY
CB10	CIRCUIT BREAKER, SUPPLY FAN	MAIN CONTROL BOX
CCB1, CCB2	COMPRESSOR CONTROL BOARDS, REFRIGERATION CKTS	MAIN CONTROL BOX
DAT	SENSOR, DISCHARGE AIR TEMPERATURE	DISCHARGE SECTION/NEAR FAN INLET
DHL	SWITCH, DUCT HIGH LIMIT	MAIN CONTROL BOX/FAN SECTION
DS1	DISCONNECT, TOTAL UNIT OR COND/HEAT	MAIN CONTROL BOX
DS2	DISCONNECT, SUPPLY FAN/CONTROLS	MAIN CONTROL BOX
EWT	SENSOR, ENTERING WATER TEMPERATURE	CONDENSER WATER INLET
F1	FUSE, CONTROL CIRCUIT	MAIN CONTROL BOX
F1A- F1B	FUSE, CONTROL CIRCUIT TRANSFORMER (T1), PRIMARY	MAIN CONTROL BOX
F1C	FUSE, CONTROL CKT. TRANSFORMER (T1), SECONDARY	MAIN CONTROL BOX
FB1- 6	FUSEBLOCK, COMPRESSOR	MAIN CONTROL BOX
FB8	FUSEBLOCK, MAIN TRANSFORMER	MAIN CONTROL BOX
FB10	FUSEBLOCK, SUPPLY FAN	MAIN CONTROL BOX
FB11, FB12	FUSEBLOCK, ELECTRIC HEAT (TOP BANK)	MAIN CONTROL BOX
FB13, FB14	FUSEBLOCK, ELECTRIC HEAT (BOTTOM BANK)	MAIN CONTROL BOX
FP1- 6	FROST PROTECTION, REFRIGERATION CIRCUITS	COIL SECTION, COOL
FS1	FREEZSTAT CONTROL	COIL(S)
GRD	GROUND	ALL CONTROL BOXES
HL11A, HL11B	HIGH LIMITS, POWER, ELECTRIC HEATERS (TOP BANK)	HEAT SECTION, ELECTRIC
HL12A, HL12B	HIGH LIMITS, POWER, ELECTRIC HEATERS (BOTTOM BANK)	HEAT SECTION, ELECTRIC
HL13, HL14	HIGH LIMITS, POWER, ELECTRIC HEATERS	HEAT SECTION, ELECTRIC
HP1- 6	HIGH PRESSURE CONTROLS, REFRIGERATION	ON COMPRESSORS
HTR11, HTR12	ELECTRIC HEATERS	DX COIL
HTR15, HTR16	ELECTRIC HEATERS	DX COIL
HTR1- 6	CRANKCASE HEATERS	ON COMPRESSORS
HUM	SENSOR, HUMIDISTAT	EXTERNAL
LWT	SENSOR, LEAVING WATER TEMPERATURE	CONDENSER WATER OUTLET
LP1-6	LOW PRESSURE CONTROLS, REFRIGERATION	ON COMPRESSORS
M1-6, M21-26	CONTACTOR, COMPRESSOR	MAIN CONTROL BOX
M9, M10	CONTACTOR, SUPPLY FAN	MAIN CONTROL BOX
M11, M12	CONTACTOR, ELECTRIC HEAT CONTROL	MAIN CONTROL BOX
M13, M14	CONTACTOR, ELECTRIC HEAT SAFETY	MAIN CONTROL BOX
M15, M16	CONTACTOR, ELECTRIC HEAT CONTROL	MAIN CONTROL BOX
M17, M18	CONTACTOR, ELECTRIC HEAT SAFETY	MAIN CONTROL BOX
M30	CONTACTOR, REVERSING, INVERTER BYPASS, SUPPLY FAN	MAIN CONTROL/INVERT. BYPASS BOX
MAT	SENSOR, MIXED AIR TEMPERATURE	BEHIND FILTERS
MCB/MCB1	MICROPROCESSOR CIRCUIT BOARD	MAIN CONTROL BOX
MJ	MECHANICAL JUMPER	ALL CONTROL BOXES
MMP1-6, MMP21-26	MANUAL MOTOR PROTECTOR, COMPRESSORS	MAIN CONTROL BOX
MMP9, MMP10	MANUAL MOTOR PROTECTOR, SUPPLY FAN	MAIN CONTROL BOX
MP1- 6	MOTOR PROTECTOR, COMPRESSOR #1-6	ON COMPRESSORS
NB	NEUTRAL BLOCKS	MAIN CONTROL BOX
OAE	SENSOR, OUTSIDE AIR ENTHALPY	EXTERNAL
OAT	SENSOR, OUTSIDE AIR TEMPERATURE	ECONOMIZER SECTION/EXTERNAL
OL10	RELAY, OVERLOAD, SUPPLY FAN	MAIN CONTROL BOX
PB1, PB2	POWER BLOCK, POWER DISTRIBUTION	MAIN CONTROL BOX
PB10	POWER BLOCK, SUPPLY FAN	MAIN CONTROL BOX
PC5	PRESSURE CONTROL, CLOGGED FILTER	MAIN CONTROL BOX/FAN SECTION
PC7	PRESSURE CONTROL, PROOF AIRFLOW	MAIN CONTROL BOX/FAN SECTION
PM1	PHONE MODEM	MAIN CONTROL BOX
PSR1, PSR2	PRESSURE TRANSDUCER, HEAD PRESSURE CONTROL	CONDENSER SECTION
PVM1, PVM2	PHASE VOLTAGE MONITOR	MAIN CONTROL BOX

[1] Schematic designators may vary depending upon the age and configuration of the unit. Refer to the unit schematic for more information.
[2] Component locations listed are are typical and are to be used for reference only.

Electrical Legend- MicroTech II, Continued

Designation [1]	Description	Standard Location [2]
R1- 6	RELAY, COMPRESSOR, HIGH PRESSURE	MAIN CONTROL BOX
R11- 14	RELAY, ELECTRIC HEAT	MAIN CONTROL BOX
R18	RELAY, COOL, ENABLE	MAIN CONTROL BOX
R36- 38	RELAY, REMOTE FAN, START/STOP	MAIN CONTROL BOX
R46, R47	RELAY, SUPPLY FAN INVERTER, INCR/DECR	MAIN CONTROL BOX
R62, R63, R65	RELAY, USE ON SPECIALS	MAIN CONTROL BOX
R67	RELAY, SUPPLY FAN, ENABLE	MAIN CONTROL BOX
R69	RELAY, INVERTER BYPASS, VAV BOX INTERLOCK	MAIN CONTROL BOX
R70- 79	RELAY, USE ON SPECIALS	MAIN CONTROL BOX
RAE	SENSOR, RETURN AIR ENTHALPY	EXTERNAL
RAT	SENSOR, RETURN AIR TEMPERATURE	MAIN CONTROL BOX/EXTERNAL
S1	SWITCH, SYSTEM ON/OFF	MAIN CONTROL BOX
S4, S5	SWITCH, INVERTER BYPASS, ON/OFF	MAIN CONTROL BOX
S7	SWITCH, LOCAL ON AUTO/OFF TO CONTROLLER	MAIN CONTROL BOX
S8	SWITCH, COOL ENABLE	MAIN CONTROL BOX
S9	SWITCH, HEAT	MAIN CONTROL BOX
SD1	SMOKE DETECTOR, SUPPLY FAN	EXTERNAL
SPS1, SPS2	SENSORS, STATIC PRESSURE, DUCT/BUILDING	MAIN CONTROL BOX
SV5,6	SOLENOID VALVES, HOT GAS	CONDENSER SECTION
T1	TRANSFORMER, MAIN CONTROL (LINE/115VAC)	MAIN CONTROL BOX
T2	TRANSFORMER, CONTROL INPUT (115/24VAC)	MAIN CONTROL BOX
T3	TRANSFORMER, CONTROL OUTPUT (115/24VAC)	MAIN CONTROL BOX
T4	TRANSFORMER, EXHAUST DAMPER ACTUATOR (115/12VDC)	MAIN CONTROL BOX
TB1	TERMINAL BLOCK, INTERNAL	MAIN CONTROL BOX
TB2	TERMINAL BLOCK, FACTORY/FIELD	MAIN CONTROL BOX
TB3	TERMINAL BLOCK	MAIN CONTROL BOX
TB4	TERMINAL BLOCK, COMPRESSOR/FIELD	MAIN CONTROL BOX
TB5	TERMINAL BLOCK, FACTORY/FIELD	MAIN CONTROL BOX
TB6	TERMINAL BLOCK, FACTORY	MAIN CONTROL BOX
TB8	TERMINAL BLOCK	MAIN CONTROL BOX
UV	ULTRA-VIOLET LIGHT(S)	COIL/DISCHARGE SECTION
VM1	VALVE MOTOR #1, HEATING	HEAT SECTION
VM5	VALVE MOTOR #5, COOLING	NEAR CW COIL
WF1	SWITCH, CONDENSER WATER FLOW	NEAR CONDENSER
WFS	SENSOR, WATER FLOW	COIL(S)
ZNT1	SENSOR, ZONE TEMP, SETBACK	FIELD INSTALLED

[1] Schematic designators may vary depending upon the age and configuration of the unit. Refer to the unit schematic for more information.
[2] Component locations listed are are typical and are to be used for reference only.

Electrical Legend- MicroTech III

Designation [1]	Description	Standard Location [2]
ACT3	ACTUATOR MOTOR, ECONOMIZER	COMPR./CONDENSER SECTION
ACT4	ACTUATOR MOTOR, WATER REGULATING/BYPASS VALVE	COMPR./CONDENSER SECTION
C1- 6	POWER FACTOR CAPACITORS, COMPRESSOR	CONDENSER SECTION
C10	POWER FACTOR CAPACITORS, SUPPLY FAN	SUPPLY FAN SECTION
CB10	CIRCUIT BREAKER, SUPPLY FAN	MAIN CONTROL BOX
DAT	SENSOR, DISCHARGE AIR TEMPERATURE	DISCHARGE SECTION
DHL	SWITCH, DUCT HIGH LIMIT	MAIN CONTROL BOX
DS1	DISCONNECT, TOTAL UNIT OR COND./HEAT	MAIN CONTROL BOX
DS2	DISCONNECT, SUPPLY FAN/CONTROLS	MAIN CONTROL BOX
EXP A, EXP B, EXP C	MICROTECH III EXPANSION MODULES	MAIN CONTROL BOX
EWT	SENSOR, ENTERING WATER TEMPERATURE	COMPR./CONDENSER SECTION
F1A, FIB	FUSE, CONTROL CIRCUIT, TRANSFORMER T1, PRIMARY	MAIN CONTROL BOX
F1C	FUSE, CONTROL CIRCUIT, TRANSFORMER T1, SECONDARY	MAIN CONTROL BOX
FB31- 34	FUSEBLOCKS, ELECTRIC HEAT	MAIN CONTROL BOX
FP1- 6	FROST PROTECTION, REFRIG. CIRCUITS	CONDENSER SECTION
FS1, FS2	CONTROL, FREEZSTAT	COIL SECTION
GFR1, GFR2	RELAY, GROUND FAULT	MAIN CONTROL BOX
GFS1, GFD2	SENSOR, GROUND FAULT	MAIN CONTROL BOX
GRD	GROUND	MAIN CONTROL BOX
HL1- 4	HIGH LIMITS, CONTROL, ELECTRIC HEATERS	HEAT SECTION, ELECTRIC
HP1-6	CONTROL, HIGH PRESSURE, REFRIGERANT	ON COMPRESSORS
HS3	SWITCH, HEAT, ELECTRIC HEAT DOOR INTERLOCK	HEAT SECTION, ELECTRIC
HTR1- 6	CRANKCASE HEATERS	ON COMPRESSORS
LP1-6	CONTROL, LOW PRESSURE, REFRIGERANT	ON COMPRESSORS
LR10	LINE REACTOR, SUPPLY FAN	MAIN CONTROL BOX
LT10	LIGHT, CABINET SECTIONS	SUPPLY FAN SECTION
M1- M6	CONTACTOR, COMPRESSOR	MAIN CONTROL BOX
M9	CONTACTOR, SUPPLY FAN, DUAL CONTACTOR START	MAIN CONTROL BOX
M10	CONTACTOR, SUPPLY FAN	MAIN CONTROL BOX
M11- M16	CONTACTOR, COMPRESSOR, DUAL CONTACTOR START	MAIN CONTROL BOX
M30	CONTACTOR, INVERTER BYPASS SUPPLY FAN	MAIN CONTROL BOX
M31- M34	CONTACTOR, ELECTRIC HEAT	MAIN CONTROL BOX
MAT	SENSOR, MIXED AIR TEMPERATURE	FILTER SECTION
MCB	MICROTECH III CONTROL BOARD	MAIN CONTROL BOX
MF1, MF2	MUFFIN FANS	CONTROL BOX SECTION
MJ	MECHANICAL JUMPER	MAIN CONTROL BOX
MMP1- 6	MANUAL MOTOR PROTECTOR, COMPRESSORS	MAIN CONTROL BOX
MMP9	MOTOR PROTECTOR, SUPPLY FAN, DUAL CONTACTOR START	MAIN CONTROL BOX
MMP10	MANUAL MOTOR PROTECTOR, SUPPLY FAN	MAIN CONTROL BOX
MMP11- 16	MOTOR PROTECTOR, COMPRESSOR, DUAL CONTACTOR START	MAIN CONTROL BOX
MMP30	MANUAL MOTOR PROTECTOR, INVERTER BYPASS, SUPPLY FAN	MAIN CONTROL BOX
MP1- 6	MOTOR PROTECTOR, COMPRESSORS	ON COMPRESSORS
OAE	SWITCH, OUTSIDE AIR ENTHALPY	ECONOMIZER SECTION
OAT	SENSOR, OUTSIDE AIR TEMPERATURE	ECONOMIZER SECTION
PB1	POWER BLOCK, TOTAL UNIT OR COND./HEAT	MAIN CONTROL BOX
PB2	POWER BLOCK, SUPPLY FAN/CONTROLS	MAIN CONTROL BOX
PB10	POWER BLOCK, FIELD INSTALLED VFD	MAIN CONTROL BOX
PC5	CONTROL, PRESSURE, CLOGGED FILTER	MAIN CONTROL BOX
PC7	RELAY, PRESSURE CONTROL, PROOF OF AIRFLOW	MAIN CONTROL BOX
PSR 1, PSR2	PRESSURE TRANSDUCER, HEAD PRESSURE CONTROL	CONDENSER SECTION
PVM1, PVM2	PHASE VOLTAGE MONITOR	MAIN CONTROL BOX
R3- 6	RELAY, HIGH PRESSURE	MAIN CONTROL BOX
R11	RELAY, WATER FLOW SWITCH	MAIN CONTROL BOX
R45	RELAY, UV LIGHTS	MAIN CONTROL BOX
R63	RELAY, DUCT HIGH LIMIT	MAIN CONTROL BOX
R78, R79	RELAY, SWITCH 4 POSITION INPUT TO MCB	MAIN CONTROL BOX

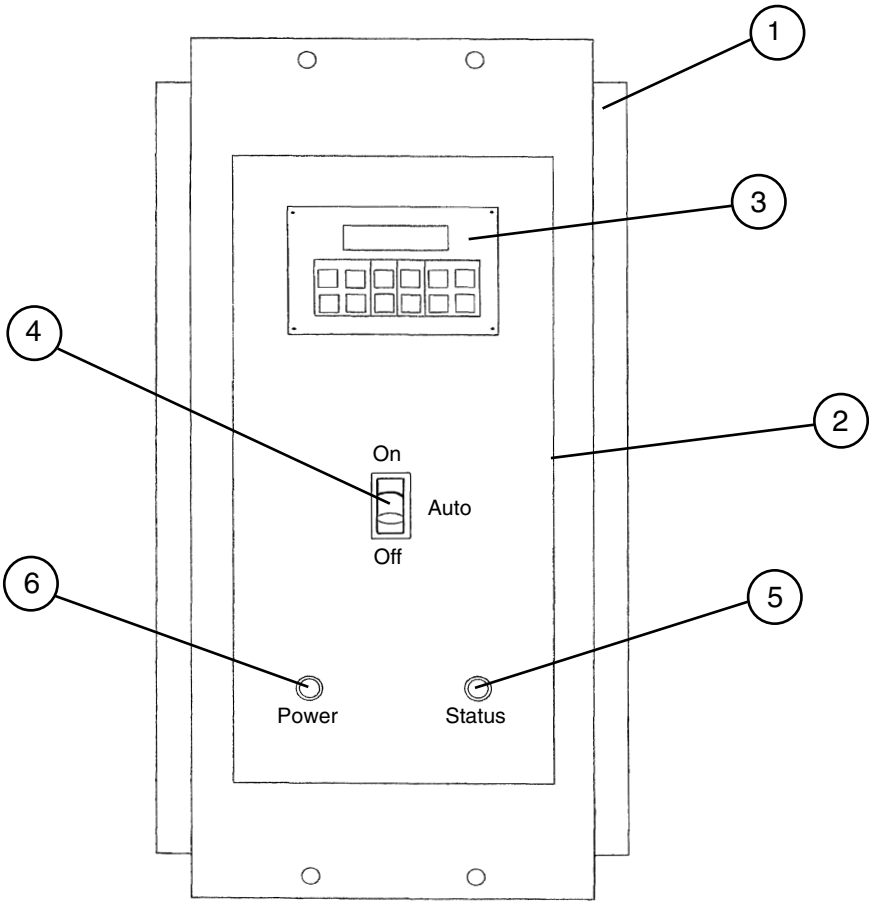
[1] Schematic designators may vary depending upon the age and configuration of the unit. Refer to the unit schematic for more information.
[2] Component locations listed are are typical and are to be used for reference only.

Electrical Legend- MicroTech III, Continued

Designation [1]	Description	Standard Location [2]
R83	RELAY, SMOKE SHUTDOWN	MAIN CONTROL BOX
R86	RELAY, SMOKE PRESSURIZE	MAIN CONTROL BOX
RAT	SENSOR, RETURN AIR TEMPERATURE	RETURN SECTION
S1	SWITCH, SYSTEM ON/OFF	MAIN CONTROL BOX
S4	SWITCH, INVERTER BYPASS, ON/OFF	MAIN CONTROL BOX
S7	SWITCH, LOCAL ON AUTO/OFF TO CONTROLLER MCB	MAIN CONTROL BOX
S21	SWITCH, FAN DOOR INTERLOCK	FAN SECTION
S40- 45	SWITCH, UV LIGHTS DOOR INTERLOCK	CABINET SECTIONS
SD1	SMOKE DETECTOR, SUPPLY FAN	DISCHARGE SECTION
SHS1	SENSOR, SPACE HUMIDITY	FIELD INSTALLED
SPS1, SPS2	SENSOR, STATIC PRESSURE DUCT/BUILDING	MAIN CONTROL BOX
SV1, SV2	SOLENOID VALVES, LIQUID/DROP	CONDENSER SECTION
SV5, SV6	SOLENOID VALVES, HOT GAS	CONDENSER SECTION
T1	TRANSFORMER, MAIN CONTROL (LINE/115VAC)	MAIN CONTROL BOX
T2	TRANSFORMER, CONTROL INPUT (115/24VAC)	MAIN CONTROL BOX
T3	TRANSFORMER, CONTROL OUTPUT (115/24VAC)	MAIN CONTROL BOX
T4	TRANSFORMER, EXHAUST DAMPER ACTUATOR (115/12VDC)	MAIN CONTROL BOX
TB1	TERMINAL BLOCK, INTERNAL FOR TRANSFORMERS	MAIN CONTROL BOX
TB2	TERMINAL BLOCK, FIELD, CLASS 2	MAIN CONTROL BOX
TB3	TERMINAL BLOCK, FACTORY (115/24V)	MAIN CONTROL BOX
TB4	TERMINAL BLOCK, FIELD (115VAC)	MAIN CONTROL BOX
UV	ULTRA-VIOLET LIGHT(S)	COIL SECTION
VFD10	VARIABLE FREQUENCY DRIVE (VFD), SUPPLY FAN	MAIN CONTROL BOX
VM1	VALVE MOTOR #1, HEATING	COIL SECTION
VM5	VALVE MOTOR #5, COOLING	COIL SECTION
WFS	SWITCH, WATER FLOW	CONDENSER SECTION
ZNT1	SENSOR, ZONE TEMP, SETBACK	FIELD INSTALLED

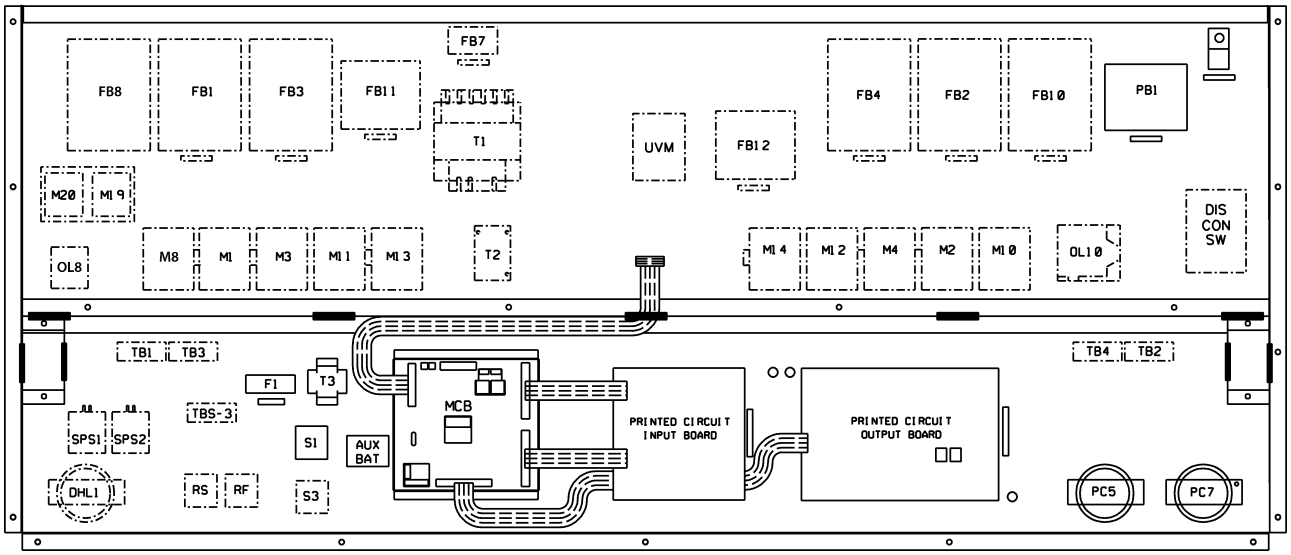
[1] Schematic designators may vary depending upon the age and configuration of the unit. Refer to the unit schematic for more information.
[2] Component locations listed are are typical and are to be used for reference only.

MicroTech Control Components
MicroTech Panel- Diagram and Components
Code 06= *M*



BUB. NO.	DESCRIPTION	PART NUMBER
	MicroTech Panel Assy.	P072310401
	Panel Assy. includes:	
1	Panel Sheetmetal	P072610402
2	Label Overlay	067282901
3	Keypad/Display	065497202
4	Rocker Switch	072402801
5	Green LED Lamp	065810802
6	Red LED Lamp	065810801

MicroTech Control Components
Control Box Diagram [1]
Code 06= *M*



[1] Diagram is representative of a typical control box layout. Components and component layout may vary depending upon unit cabinet size, age of the unit, and options selected.

MicroTech Control Components
Common Control Box Components
Code 06= *M*

DEVICE ID	DESCRIPTION	PART NUMBER
MCB1	Main Control Board [1]	
	Units w/out a Water Regulating valve (Code 25= YY)	065487306
	Units w/ a Water Regulating valve (Code 25= 11 or 22)	065487311
-	Fuse, MCB1 Input Power, 2A	065822001
-	Fuse, MCB1 Communication Ports, 0.25A	065821901
Input Board	Input Board	073379901
Output Board	Output Board	073379801
-	Cable, Ribbon 20" (Input Board)	067780601
-	Cable, Ribbon 42" (Output Board)	067780401
-	Cable, Ribbon 48" (Remote Keypad)	065499703
K0	Output Board Relay, SPST, Alarm	072504201
K1- 4, 16, 17	Output Board Relay, SPST, Compressors	072504201
K5	Output Board Relay, SPST, Bypass	072504201
K6	Output Board Relay, DPDT, VAV/Heat	072504301
K7	Output Board Relay, SPST, Water Economizer Close	072504201
K8	Output Board Relay, SPST, Water Economizer Open	072504201
K9	Output Board Relay, SPST, VAV Close	072504201
K10	Output Board Relay, SPST, VAV Open	072504201
K11	Output Board Relay, SPST, Electric Heat Stage 1/HW Steam Close	072504201
K12	Output Board Relay, SPST, Electric Heat Stage 1/HW Steam Open	072504201
K13	Output Board Relay, SPST, Fan On	072504201
K14	Output Board Relay, SPST, Outside Air Damper	072504201
K15A	Output Board Relay, SPST, Fan Operation [2]	072504201
K15B	Output Board Relay, DPDT, Fan Operation [2]	072504301
K24	Output Board Relay, DPDT, Smoke Start	072504301
K25A	Output Board Relay, DPDT, Remote Shut-down [2]	072504301
K25B	Output Board Relay, SPST, Remote Shut-down [2]	072504201
K26	Output Board Relay, DPDT, Control	072504301
K27	Output Board Relay, SPST, Unit Shut-down	072504201
K28	Output Board Relay, SPST, Low Speed Fan Motor	072504201
K29	Output Board Relay, DPDT, Fan Motor	072504301
MAT	Mixed Air Temperature Sensor (20 ft. Lead)	330419602
SAT	Supply Air Temperature Sensor (20 ft. Lead)	330419602
OAT	Outside Air Temperature Sensor (20 ft. Lead)	330419602
RAT	Return Air Sensor (30 ft. Lead)	330419603
EWT	Entering Water Temperature Sensor (20 ft. Lead)	330419602
LWT	Leaving Water Temperature Sensor (20 ft. Lead)	330419602
WFS	Differential Water Flow Switch	070180519
PC5	Filter Switch	072500602
DHL	Duct High Limit Switch	072500603
PC7	Air Flow Switch	072500601

[1] The Main Control Board must be programmed in order to function correctly. When ordering a replacement MCB1, provide the unit model and serial number so the unit specific software code can be loaded before shipment.

[2] Confirm whether the relay required is SPST or DTDT before ordering.

MicroTech Control Components
Common Control Box Components, Continued
Code 06= *M*

DEVICE ID	DESCRIPTION	PART NUMBER
PSR1	High Pressure Control (units without an Economizer)	071568601
SPS1, 2	Pressure Sensor	090009001
FP1- 6	Frost Protection Switch	072501901
FS1	Low Temperature Cutout Control (Freezstat)	072502001
HPS	High Pressure Switch	072404601
LPS	Low Pressure Switch	047356103
S1	Switch, Toggle, SPST 12A	802005045
S3	Switch, Unit, SPDT 10A	023780314
T1	Transformer, 75VA 480V/24VAC	046738106
T2	Transformer, 75VA 460/24VAC	046738106
T3	Transformer, 24/18VAC	4EPC9188
-	Modem	059476901
AUX	Auxiliary Battery Pack	072406901
-	PC Network Cable	067784601
-	Room sensor	066540401
-	Room Sensor w/ Tenant Override Switch	066540402
HS	Humidistat	
	Space Mounted	067294901
	Duct Mounted	067295001
UVP	208/230/460V Over/Under Voltage Protector	070269956
UVP	575V Over/Under Voltage Protector	059475303
WF1	Condenser Water Flow Differential Switch	070180519

MicroTech Control Components
Controls- Compressor [1]
Code 06= *M*

SCHEM. SYMBOL	DESCRIPTION	PART NO.	COMPRESSOR HP		
			05 HP	10 HP	13 HP
USED WITH 208/230V COMPRESSORS:					
FB1- 4	FUSE BLOCK, 30A	023780204	1		
FB1- 4	FUSE BLOCK, 60A	023780209		1	1
ON FB1- 4	FUSE, 30A	025860509	3		
ON FB1- 4	FUSE, 50A	025860513		3	
ON FB1- 4	FUSE, 60A	025860414			3
M1- 4	CONTACTOR, 30A	072500908	1		
M1- 4	CONTACTOR, 50A	072500910		1	
M1- 4	CONTACTOR, 60A	072500911			1
USED WITH 460V COMPRESSORS:					
FB1- 4	FUSE BLOCK, 30A	023780205	1	1	1
ON FB1- 4	FUSE, 15A	025860405	3		
ON FB1- 4	FUSE, 30A	025860409		3	3
M1- 4	CONTACTOR, 30A	072500908	1	1	1
USED WITH 575V COMPRESSORS:					
FB1- 4	FUSE BLOCK, 30A	023780205	1	1	1
ON FB1- 4	FUSE, 15A	025860405	3		
ON FB1- 4	FUSE, 20A	025860407		3	
ON FB1- 4	FUSE, 25A	025860408			3
M1- 4	CONTACTOR, 30A	072500908	1	1	1

[1] Quantities shown are per compressor.

MicroTech Control Components
Controls- Electric Heat
Code 06= *M*

34KW ELECTRIC HEAT: CODE 28= E34

SCHEM. SYMBOL	DESCRIPTION	PART NO.	QTY.
20/8230V:			
FB11,12	FUSE BLOCK, 60A	071272601	2
ON FB11,12	FUSE, 50A	071203506	6
M13,14	CONT.,40A W/AUX.	072500909	2
M11,12	CONTACTOR, 40A	072500902	2
460V:			
FB11,12	FUSE BLOCK, 30A	071201501	2
ON FB11,12	FUSE, 30A	071203501	6
M13,14	CONT., 30A W/AUX.	072500908	2
M11,12	CONTACTOR, 30A	072500901	2
575V:			
FB11,12	FUSE BLOCK, 30A	071201501	2
ON FB11,12	FUSE, 25A	071203505	6
M13,14	CONT., 30A W/AUX.	072500908	2
M11,12	CONTACTOR, 30A	072500901	2

MicroTech Control Components
Controls- Disconnect Switch
Code 06= *M*

SCHEM. SYMBOL	DESCRIPTION	DISC. PART NUMBER	SWITCH BRACKET
DS	DISCONNECT SWITCH, 100A	047442101	072512202
	DISCONNECT SWITCH, 150A	047442102	072512202
	DISCONNECT SWITCH, 225A	047442103	072512203

[1] This list includes the most common Disconnects offered. Due to the various unit options available, before ordering it is necessary to confirm what amperage Disconnect is installed in the unit, or if this is not known, contact Daikin McQuay Parts with model and serial number information to ensure that the correct parts(s) are ordered.

MicroTech Control Components
Controls- Low Speed Fan Motor, 2HP thru 7.5HP
Code 06= *M*, Code 19= ** [1]

2 & 3 HP Motors- Code 19= G*, or H*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB8	Fuse Block	023780204	1			1		
		023780205		1			1	
		023780210			1			1
F8	Fuse- 15A 250V	025860505	3			3		
	Fuse- 10A 600V	025860432		3			3	
	Fuse- 7A 600V	025860437			3			3
M8	Contactor- 30A	072500901	NA	NA	NA	1	1	1
OL8	Overload- 27A	072500801	NA	NA	NA	1	1	1

5 HP Motors- Code 19= J*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB8	Fuse Block	023780204	1			1		
		023780205		1			1	
		023780210			1			1
F8	Fuse- 25A 250V	025860508	3			3		
	Fuse- 10A 600V	025860432		3			3	
	Fuse- 30A 600V	025860410			3			3
M8	Contactor- 30A	072500901	NA	NA	NA	1	1	
	Contactor- 40A	072500902	NA	NA	NA			1
OL8	Overload- 27A	072500801	NA	NA	NA	1	1	1

7.5 HP Motors- Code 19= K*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB8	Fuse Block	023780209	1			1		
		023780205		1			1	
		023780205			1			1
F8	Fuse- 50A 250V	025860510	3			3		
	Fuse- 17.5A 600V	025860406		3			3	
	Fuse- 15A 600V	025860405			3			3
M8	Contactor- 40A	072500902	NA	NA	NA	1		
	Contactor- 30A	072500901	NA	NA	NA		1	1
OL8	Overload- 27A	072500801	NA	NA	NA	1	1	1

[1] For a Low Speed Motor to be present, Code 19 cannot be YY.

MicroTech Control Components
Controls- Low Speed Fan Motor, 10HP thru 15HP
Code 06= *M*, Code 19= ** [1]

10 HP Motors- Code 19= L*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB8	Fuse Block	023780209	1			1		
		023780205		1	1		1	
F8	Fuse- 40A 250V	025860511	3			3		
	Fuse- 20A 600V	025860407		3			3	
	Fuse- 17.5A 600V	025860406			3			3
M8	Contactor- 40A	072500902	NA	NA	NA	1		
	Contactor- 30A	072500901	NA	NA	NA		1	1
OL8	Overload- 45A	072500802	NA	NA	NA	1		1
	Overload- 27A	072500801	NA	NA	NA		1	1

15 HP Motors- Code 19= M*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB8	Fuse Block	023780209	1			1		
		023780205		1	1		1	1
F8	Fuse- 60A 250V	025860514	3			3		
	Fuse- 17.5A 600V	025860406		3			3	
	Fuse- 25A 600V	025860408			3			3
M8	Contactor- 60A	072500902	NA	NA	NA	1		
	Contactor- 30A	072500901	NA	NA	NA		1	1
OL8	Overload- 45A	072500802	NA	NA	NA	1		
	Overload- 27A	072500801	NA	NA	NA		1	1

[1] For a Low Speed Motor to be present, Code 19 cannot be YY.

MicroTech Control Components
Controls- Low Speed Fan Motor, OL8 Overload Heater
Code 06= *M*, Code 19= ** [1]

2 HP Motors- Code 19= G*

Efficiency C19=	Units Built Before 1/96				Units Built 1/96 and Later			
	208	230	400/460	575	208	230	400/460	575
GA	072502811	072502810	072502803	072502801	024879900	030192400	026216000	031450024
GE	072502809	072502808	072502801	072502801	026114600	026114400	031450024	031450024
GS	072502809	072502808	072502801	072502801	026114600	026114400	031450024	031450024

3 HP Motors- Code 19= H*

Efficiency C19=	Units Built Before 1/96				Units Built 1/96 and Later			
	208	230	400/460	575	208	230	400/460	575
HA	072502814	072502814	072502807	072502805	027401000	027401000	030101000	029277400
HE	072502813	072502812	072502805	072502803	023466900	023074700	022977400	026216000
HS	072502813	072502812	072502805	072502803	023466900	023074700	022977400	026216000

5 HP Motors- Code 19= J*

Efficiency C19=	Units Built Before 1/96				Units Built 1/96 and Later			
	208	230	400/460	575	208	230	400/460	575
JA	072502818	072502818	072502811	072502809	027401100	024688500	024879900	026114600
JE	072502817	072502816	072502810	072502808	025070600	024688500	030192400	026114400
JS	072502817	072502816	072502810	072502808	025070600	024688500	030192400	026114400

7.5 HP Motors- Code 19= K*

Efficiency C19=	Units Built Before 1/96				Units Built 1/96 and Later			
	208	230	400/460	575	208	230	400/460	575
KA	072502821	072502821	072502815	072502813	023689100	023689100	022614200	023466900
KE	072502821	072502820	072502814	072502812	023689100	026111700	027401000	023074700
KS	072502821	072502820	072502814	072502812	023689100	026111700	023466900	023074700

10 HP Motors- Code 19= L*

Efficiency C19=	Units Built Before 1/96				Units Built 1/96 and Later			
	208	230	400/460	575	208	230	400/460	575
LA	072502822	072502822	072502816	072502815	023252800	023252800	024688500	022614200
LE	072502823	072502822	072502816	072502814	022773400	023252800	024688500	027401000
LS	072502823	072502822	072502816	072502814	022773400	023252800	024688500	027401000

15 HP Motors- Code 19= M*

Efficiency C19=	Units Built Before 1/96				Units Built 1/96 and Later			
	208	230	400/460	575	208	230	400/460	575
MA	072502825	072502825	072502820	072502818	022613000	022613000	026111700	027401100
ME	072502826	072502825	072502820	072502818	025861600	022613000	026111700	027401100
MS	072502826	072502825	072502819	072502818	022613000	026114500	026111700	027401100

[1] For a Low Speed Motor to be present, Code 19 cannot be YY.

MicroTech Control Components
Controls- High Speed Fan Motor, 2000 & Before
Code 06= *M*, Code 17= **

3 HP Motors- Code 17= H*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB10	Fuse Block	023780204	1			1		
		023780205		1			1	
		023780210			1			1
F10	Fuse- 15A 250V	025860505	3			3		
	Fuse- 10A 600V	025860432		3			3	
	Fuse- 7A 600V	025860437			3			3
M10	Contactor- 30A	072500901	N/A	N/A	N/A	1	1	1
OL10	Overload- 27A [1]	072500801	N/A	N/A	N/A	1	1	1

5 HP Motors- Code 17= J*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB10	Fuse Block	023780204	1			1		
		023780205		1			1	
		023780210			1			1
F10	Fuse- 25A 250V	025860508	3			3		
	Fuse- 10A 600V	025860432		3			3	
	Fuse- 35A 600V	025860410			3			3
M10	Contactor- 30A	072500901	N/A	N/A	N/A	1	1	
	Contactor- 40A	072500902	N/A	N/A	N/A			1
OL10	Overload- 27A [1]	072500801	N/A	N/A	N/A	1	1	1

7.5 HP Motors- Code 17= K*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB10	Fuse Block	023780209	1			1		
		023780205		1			1	
		023780205			1			1
F10	Fuse- 25A 250V	025860510	3			3		
	Fuse- 17.5A 600V	025860406		3			3	
	Fuse- 15A 600V	025860405			3			3
M10	Contactor- 40A	072500902	N/A	N/A	N/A	1		
	Contactor- 30A	072500901	N/A	N/A	N/A		1	1
OL10	Overload- 27A [1]	072500801	N/A	N/A	N/A	1	1	1

10 HP Motors- Code 17= L*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB10	Fuse Block	023780209	1			1		
		023780205		1	1		1	1
F10	Fuse- 40A 250V	025860511	3			3		
	Fuse- 20A 600V	025860407		3			3	
	Fuse- 17.5A 600V	025860406			3			3
M10	Contactor- 40A	072500902	N/A	N/A	N/A	1		
	Contactor- 30A	072500901	N/A	N/A	N/A		1	1
OL10	Overload- 45A [1]	072500802	N/A	N/A	N/A	1		1
	Overload- 27A [1]	072500801	N/A	N/A	N/A		1	1

[1] Due to some design overlap, if the unit was built in 1998- 2001 confirm which overload was installed BEFORE ordering.

MicroTech Control Components
Controls- High Speed Fan Motor, 2000 & Before, Continued
Code 06= *M*, Code 17= **

15 HP Motors- Code 17= M*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB10	Fuse Block	023780209	1			1		
		023780205		1	1		1	1
F10	Fuse- 60A 250V	025860514	3			3		
	Fuse- 17.5A 600V	025860406		3			3	
	Fuse- 25A 600V	025860408			3			3
M10	Contactor- 60A	072500904	N/A	N/A	N/A	1		
	Contactor- 30A	072500901	N/A	N/A	N/A		1	1
OL10	Overload- 45A [1]	072500802	N/A	N/A	N/A	1		
	Overload- 27A [1]	072500801	N/A	N/A	N/A		1	1

20 HP Motors- Code 17= N*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB10	Fuse Block	023780213	1			1		
		023780210		1	1		1	1
F10	Fuse- 90A 250V	025860517	3			3		
	Fuse- 40A 600V	025860411		3			3	
	Fuse- 35A 600V	025860410			3			3
M10	Contactor- 90A	072500906	N/A	N/A	N/A	1		
	Contactor- 40A	072500902	N/A	N/A	N/A		1	1
OL10	Overload- 100A	072500803	N/A	N/A	N/A	1		
	Overload- 45A [1]	072500802	N/A	N/A	N/A		1	
	Overload- 27A [1]	072500801	N/A	N/A	N/A			1

25 HP Motors- Code 17= P*

Schem. Sym.	Description	Part Number	Unit with Inverter			Unit without Inverter		
			208/230	400/460	575	208/230	400/460	575
FB10	Fuse Block	023780213	1			1		
		023780210		1	1		1	1
F10	Fuse- 100A 250V	025860518	3			3		
	Fuse- 50A 6000V	025860413		3			3	
	Fuse- 45A 600V	025860412			3			3
M10	Contactor- 90A	072500906	N/A	N/A	N/A	1		
	Contactor- 50A	072500903	N/A	N/A	N/A		1	
	Contactor- 40A	072500902	N/A	N/A	N/A			1
OL10	Overload- 100A [1]	072500803	N/A	N/A	N/A	1		
	Overload- 45A [1]	072500802	N/A	N/A	N/A		1	1

[1] Due to some design overlap, if the unit was built in 1998- 2001 confirm which overload was installed BEFORE ordering.

MicroTech Control Components
Controls- High Speed Fan Motor, 2000 & Before
OL10 Overload Heater [1]
Code 06= *M*, Code 17= **

3 HP Motors- Code 17= H*

Efficiency C17=	Units Built Before 1/96				Units Built 1/96 and later			
	208	230	400/460	575	208	230	400/460	575
HA	072502814	072502814	072502807	072502805	027401000	027401000	030101000	029277400
HE	072502813	072502812	072502805	072502803	023466900	023074700	022977400	026216000
HS	072502813	072502812	072502805	072502803	023466900	023074700	022977400	026216000

5 HP Motors- Code 17= J*

Efficiency C17=	Units Built Before 1/96				Units Built 1/96 and later			
	208	230	400/460	575	208	230	400/460	575
JA	072502818	072502818	072502811	072502809	027401100	024688500	024879900	026114600
JE	072502817	072502816	072502810	072502808	025070600	024688500	030192400	026114400
JS	072502817	072502816	072502810	072502808	025070600	024688500	030192400	026114400

7.5 HP Motors- Code 17= K*

Efficiency C17=	Units Built Before 1/96				Units Built 1/96 and later			
	208	230	400/460	575	208	230	400/460	575
KA	072502821	072502821	072502815	072502813	023689100	023689100	022614200	023466900
KE	072502821	072502820	072502814	072502812	023689100	026111700	027401000	023074700
KS	072502821	072502820	072502814	072502812	023689100	026111700	023466900	023074700

10 HP Motors- Code 17= L*

Efficiency C17=	Units Built Before 1/96				Units Built 1/96 and later			
	208	230	400/460	575	208	230	400/460	575
LA	072502822	072502822	072502816	072502815	023252800	023252800	024688500	022614200
LE	072502823	072502822	072502816	072502814	022773400	023252800	024688500	027401000
LS	072502823	072502822	072502816	072502814	022773400	023252800	024688500	027401000

15 HP Motors- Code 17= M*

Efficiency C17=	Units Built Before 1/96				Units Built 1/96 and later			
	208	230	400/460	575	208	230	400/460	575
MA	072502825	072502825	072502820	072502818	022613000	022613000	026111700	027401100
ME	072502826	072502825	072502820	072502818	025861600	022613000	026111700	027401100
MS	072502826	072502825	072502819	072502818	022613000	026114500	026111700	027401100

20 HP Motors- Code 17= N*

Efficiency C17=	Units Built Before 1/96				Units Built 1/96 and later			
	208	230	400/460	575	208	230	400/460	575
NA	072502827	072502827	072502822	072502820	023074800	023074800	023252800	026111700
NE	072502827	072502827	072502822	072502820	023074800	023074800	023252800	026111700
NS	072502827	072502827	072502822	072502820	022613100	023074800	023252800	026111700

25 HP Motors- Code 17= P*

Efficiency C17=	Units Built Before 1/96				Units Built 1/96 and later			
	208	230	400/460	575	208	230	400/460	575
PA	072502829	072502829	072502824	072502822	021851500	021851500	023076000	023252800
PE	072502830	072502828	072502823	072502822	023467200	022613100	022773400	023252800
PS	072502829	072502828	072502823	072502822	021851500	022613100	022773400	023252800

[1] Due to some design overlap, if the unit was built in 1998- 2001 confirm which overload was installed BEFORE ordering.

MicroTech Control Components
Controls- High Speed Fan Motor, 208/230V, 2000 & After
Code 06= *M*, Code 17= **

SCHEM. SYMBOL	DESCRIPTION	PART NO.	MOTOR HP					
			05	7.5	10	15	20	25
FB10	FUSE BLOCK, 30A	023780204	1					
FB10	FUSE BLOCK, 60A	023780209		1	1	1		
FB10	FUSE BLOCK, 100A	023780213					1	-
ON FB10	FUSE, 25A	025860508	1					
ON FB10	FUSE, 35A	025860510		3				
ON FB10	FUSE, 40A	025860511			3			
ON FB10	FUSE, 60A	025860514				3		
ON FB10	FUSE, 90A	025860517					3	-
M10	CONTACTOR, 30A	072500901 [2]	1					
M10	CONTACTOR, 40A	072500902 [2]		1	1			
M10	CONTACTOR, 60A	072500904 [2]				1		
M10	CONTACTOR, 90A	072500906 [2]					1	-
OL10	OVERLOAD, 32A	059990101 [2, 8]	1	1	1			
OL10	OVERLOAD, 75A	059990201 [2, 8]				1	1	-
-	OL HEATER, 208V	059990612 [8]	1					
-	OL HEATER, 208V	059990613 [8]		1	1 [5, 7]			
-	OL HEATER, 208V	059990614 [8]			1 [4, 6]			
-	OL HEATER, 208V	059990616 [8]				1	1 [5, 7]	
-	OL HEATER, 208V	059990617 [8]					1 [4, 6]	
-	OL HEATER, 230V	059990611 [8]	1					
-	OL HEATER, 230V	059990612 [8]		1				
-	OL HEATER, 230V	059990613 [8]			1			
-	OL HEATER, 230V	059990615 [8]				1		
-	OL HEATER, 230V	059990616					1	
RF, RS	RELAY ASSY., DPDT	072789226K [1, 2]	2	2	2	2	2	2
M19, 20	CONTACTOR, 30A	072506302 [2, 3]	1					
M19, 20	CONTACTOR, 40A	072506303 [2, 3]		1	1			
M19, 20	CONTACTOR, 50A	072506305 [2, 3]				1		
M19, 20	CONTACTOR, 75A	072506306 [2, 3]					1	-

[1] Relay Assembly 072789226K consists of: Relay 060017101, Relay Socket 060016901, Spring Clip 060017001, 2pc. Screw 038990805 and instructions.
[2] Not used on units with Remote Inverters.
[3] Contactors M19 and M20 are mechanically linked together.
[4] High Efficiency ODP Motors. Code 17= *E.
[5] Premium ODP Motors. Code 17= *S.
[6] HIgh Efficiency TEFC Motors. Code 17= *H.
[7] Premium Efficiency TEFC Motors. Code 17= *T.
[8] Due to some design overlap, if the unit was built in 1998- 2001 confirm which overload was installed BEFORE ordering.

MicroTech Control Components
Controls- High Speed Fan Motor, 460V, 2000 & After
Code 06= *M*, Code 17= **

SCHEM. SYMBOL	DESCRIPTION	PART NO.	MOTOR HP					
			05	7.5	10	15	20	25
FB10	FUSE BLOCK, 30A	023780205	1	1	1	1		
FB10	FUSE BLOCK, 60A	023780210					1	1
ON FB10	FUSE, 10A	025860432	1					
ON FB10	FUSE, 17.5A	025860406		3				
ON FB10	FUSE, 20A	025860407			3			
ON FB10	FUSE, 30A	025860409				3		
ON FB10	FUSE, 40A	025860411					3	
ON FB10	FUSE, 50A	025860413						3
M10	CONTACTOR, 30A	072500901 [2]	1	1	1	1		
M10	CONTACTOR, 40A	072500902 [2]					1	
M10	CONTACTOR, 50A	072500903 [2]						1
OL10	OVERLOAD, 32A	059990101 [2, 8]	1	1	1	1	1	
OL10	OVERLOAD, 75A	059990201 [2, 8]						1
-	OVERLOAD HEATER	059990609 [8]	1					
-	OVERLOAD HEATER	059990610 [8]		1 [5, 7]				
-	OVERLOAD HEATER	059990611 [8]		1 [4, 6]	1			
-	OVERLOAD HEATER	059990612 [8]				1		
-	OVERLOAD HEATER	059990613 [8]					1	
-	OVERLOAD HEATER	059990615 [8]						1
RF, RS	RELAY ASSY., DPDT	072789226K [1, 2]	2	2	2	2	2	2
M19, 20	CONTACTOR, 30A	072506302 [2, 3]	1	1	1	1		
M19, 20	CONTACTOR, 40A	072506303 [2, 3]					1	
M19, 20	CONTACTOR, 50A	072506304 [2, 3]						1

[1] Relay Assembly 072789226K consists of: Relay 060017101, Relay Socket 060016901, Spring Clip 060017001, 2pc. Screw 038990805 and instructions.
[2] Not used on units with Remote Inverters.
[3] Contactors M19 and M20 are mechanically linked together.
[4] High Efficiency ODP Motors. Code 17= *E.
[5] Premium ODP Motors. Code 17= *S.
[6] HIgh Efficiency TEFC Motors. Code 17= *H.
[7] Premium Efficiency TEFC Motors. Code 17= *T.
[8] Due to some design overlap, if the unit was built in 1998- 2001 confirm which overload was installed BEFORE ordering.

MicroTech Control Components
Controls- High Speed Fan Motor, 575V, 2000 & After
Code 06= *M*, Code 17= **

SCHEM. SYMBOL	DESCRIPTION	PART NO.	MOTOR HP					
			05	7.5	10	15	20	25
FB10	FUSE BLOCK, 30A	023780205	1	1	1	1		
FB10	FUSE BLOCK, 60A	023780210					1	1
ON FB10	FUSE, 10A	025860432	3					
ON FB10	FUSE, 15A	025860405		3				
ON FB10	FUSE, 17.5A	025860406			3			
ON FB10	FUSE, 25A	025860408				3		
ON FB10	FUSE, 35A	025860410					3	
ON FB10	FUSE, 45A	025860412						3
M10	CONTACTOR, 30A	072500901 [1]	1	1	1	1		
M10	CONTACTOR, 40A	072500902 [1]					1	1
OL10	OVERLOAD, 32A	059990101 [1]	1	1	1	1	1	1
-	OVERLOAD HEATER	059990609 [1, 2]	1					
-	OVERLOAD HEATER	059990610 [1, 2]		1				
-	OVERLOAD HEATER	059990611 [1, 2]			1			
-	OVERLOAD HEATER	059990612 [1, 2]				1	1	
-	OVERLOAD HEATER	059990613 [1, 2]						1

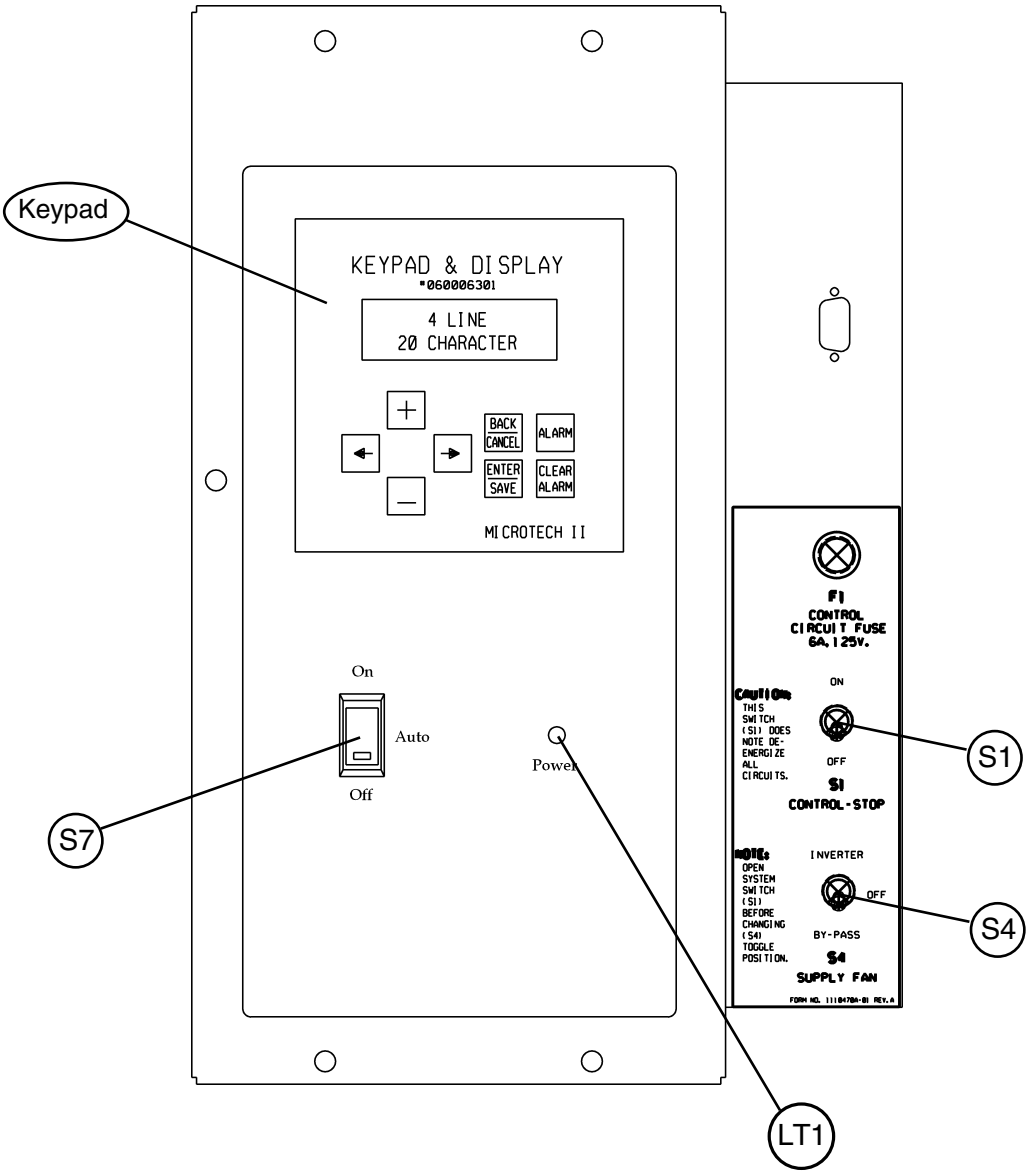
[1] Not used on units with Remote Inverters.

[2] Due to some design overlap, if the unit was built in 1998- 2001 confirm which overload was installed BEFORE ordering.

MicroTech II Control Components

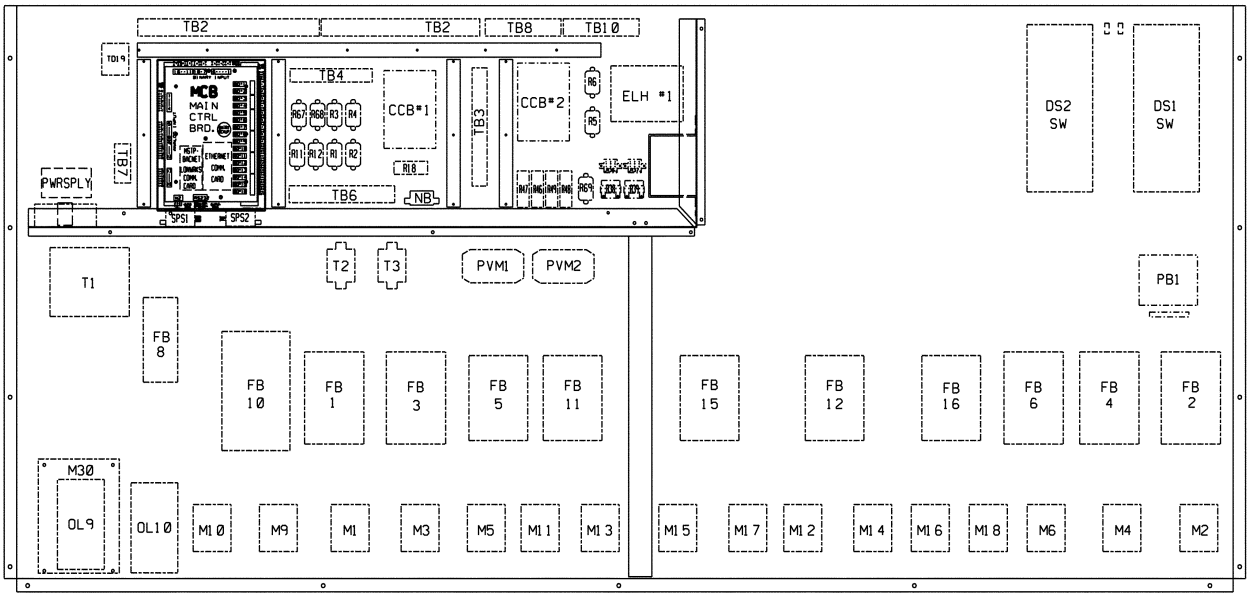
MicroTech II Keypad Panel Diagram [1]

Code 06= *D*, *S*



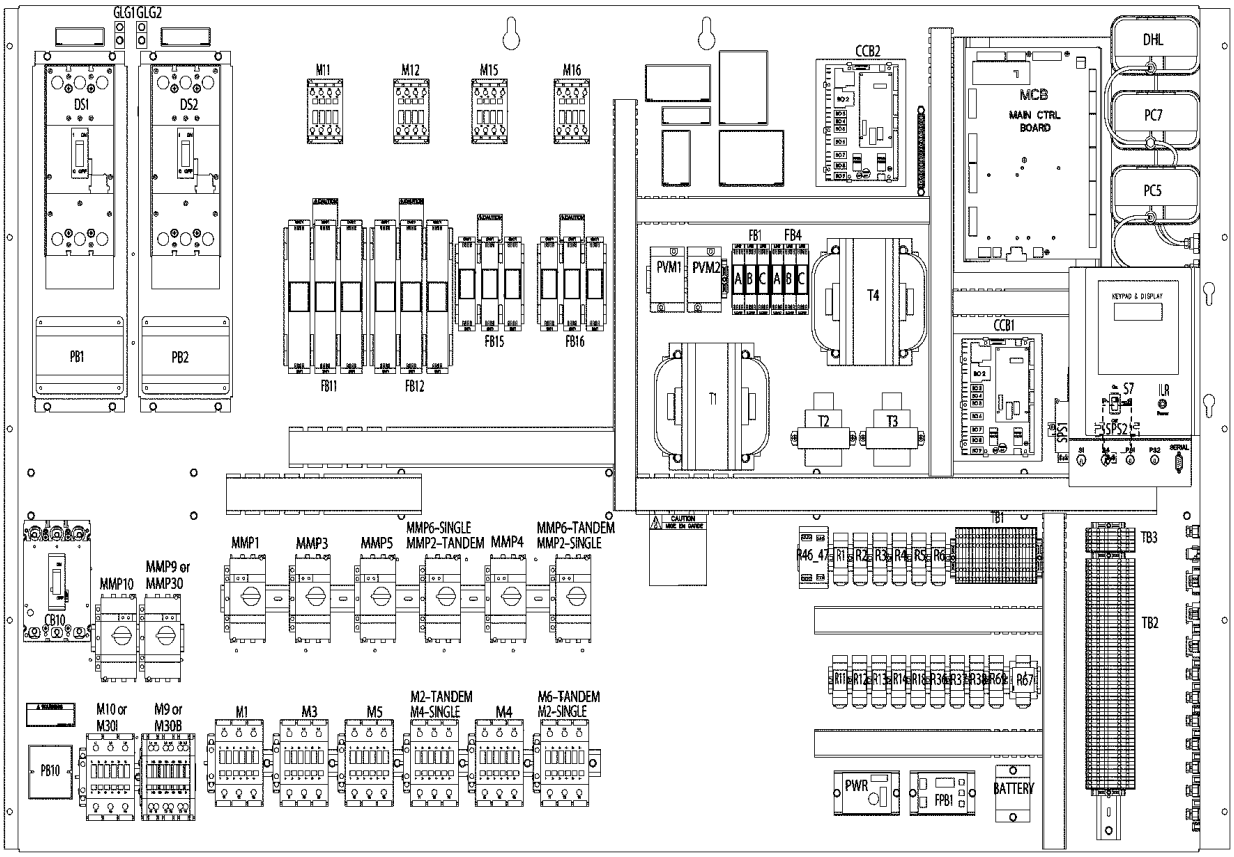
[1] Diagram is representative of a typical Keypad control box layout. Components and component layout may vary dependng upon options selected.

MicroTech II Control Components
Control Box Diagram- Before 3/05 [1]
Code 06= *D*, *S*



[1] Diagram is representative of a typical control box layout. Components and component layout may vary depending upon unit cabinet size, age of the unit, and options selected.

MicroTech II Control Components
Control Box Diagram- After 3/05 [1]
Code 06= *D*, *S*



[1] Diagram is representative of a typical control box layout. Components and component layout may vary depending upon unit cabinet size, age of the unit, and options selected.

MicroTech II Control Components
Common Control Box Components
Code 06= *D*, *S*

DEVICE ID	DESCRIPTION	PART NUMBER
MCB	Main Control Board [1]	060006101
CCB1, 2	Auxiliary Cooling Control Board	112026101
-	RS-485 Communication Module (for Auxiliary Control Boards)	060006202
-	Standoff (for mounting RS-485 Comm. Module to Aux. Control Board)	048166707
-	CCB Fuse	112026501
-	MCB Battery	049754501
KEYPAD	Keypad/Display	060006301
-	Cable, Keypad to Main Control Board	111044601
SPS1	Static Pressure Sensor #1	049545007
SPS2	Static Pressure Sensor #2	049545007
PC5	Dirty Filter Switch	065493801
PC7	Airflow Proving Switch	065493801
DHL	Duct High Limit	065493801
S1	Switch, System ON/OFF	028798400
S4, 5	Switch, Inverter Bypass, ON/OFF	028798400
S7	Switch, Local ON AUTO/OFF to Controller	028798400
T1	Transformer 208 VAC 50 VA (Before 3/05)	038253913
T1	Transformer 230/460 VAC 25VA (Before 3/05)	038253901
T1	Transformer 575 VAC 25VA (Before 3/05)	038253932
T1	Transformer 230/460/575 VAC 25VA (3/05 thru 10/06) [2]	038253937
T1	Transformer 230/460/575 VAC 50VA (3/05 thru 10/06) [2]	038253938
T1	Transformer 230/460/575 VAC 75VA (3/05 thru 10/06) [2]	038253939
T1	Transformer 230/460/575 VAC 100VA (3/05 thru 10/06) [2]	038253940
T1	Transformer 208 VAC 50VA (After 1/07) [2, 3]	349939814
T1	Transformer 230/460 VAC 50VA (After 1/07) [2, 3]	349939804
T1	Transformer 575 VAC 50VA (After 1/07) [2, 3]	349939824
T1	Transformer 208 VAC 75VA (After 1/07) [2, 3]	349939815
T1	Transformer 230/460 VAC 75VA (After 1/07) [2, 3]	349939805
T1	Transformer 575 VAC 75VA (After 1/07) [2, 3]	349939825
T1	Transformer 208 VAC 100VA (After 1/07) [2, 3]	349939816
T1	Transformer 230/460 VAC 100VA (After 1/07) [2, 3]	349939806
T1	Transformer 575 VAC 100VA (After 1/07) [2, 3]	349939826
T2	Transformer 115/24 VAC 75VA (Before 3/05)	060004601
T2	Transformer 115/24 VAC 75VA (After 3/05)	349937301
T3	Transformer 115/24 VAC 50VA (Before 3/05)	060630802
T3	Transformer 115/24 VAC 50VA (After 3/05)	349937301
DAT	Discharge Air Temperature Sensor (20 ft. Lead)	170047822
RAT	Return Air Sensor	170047402
OAT	Outside Air Temperature Sensor (20 ft. Lead)	060004702
OAT	Outside Air Temperature Sensor (30 ft. Lead)	060004703
OAT	Outside Air Temperature Sensor (50 ft. Lead)	060004705
MAT	Mixed Air Temperature Sensor (20 ft. Lead)	170047222
EWT	Entering Water Temperature Sensor (20 ft. Lead)	170042402
LWT	Leaving Water Temperature Sensor (20 ft. Lead)	170042602

[1] The Main Control Board must be programmed in order to function correctly. When ordering a replacement MCB, provide the unit model and serial number so the unit specific software code can be loaded before shipment.
[2] Confirm VA of transformer before ordering.
[3] If the unit was built between 10/06 and 12/06 contact Daikin McQuay Parts with the unit GO and Serial Number in order to corrrectly identify the needed Transformer.

MicroTech II Control Components
Common Control Box Components, Continued
Code 06= *D*, *S*

DEVICE ID	DESCRIPTION	PART NUMBER
PWR	5 VDC Power Supply	111049610
ZNT1	Zone Temp. Sensor w/Tenant Override	111048101
ZNT1	Zone Temp. Sensor w/Tenant Override & Remote Set Pt. Adj. (SCC only)	111048102
-	BACnet MS/TP Communication Module (RS-485)	060006202
-	BACnet /IP Communication Module (IP Cable 10 BaseT)	060006201
-	LONMARK Space Comfort Controller (SCC) Communication Module	060006203
-	LONMARK Discharge Air Controller (DAC) Communication Module	060006204
-	Serial Port Ribbon Cable	111047201
FP1- 6	Freezestat	072502001
PSR1	Refrigerant Pressure Transducer CRT #1	065816802
-	Harness for Refrigerant Pressure Transducer CRT #1	170609901
PSR2	Refrigerant Pressure Transducer CRT #2	065816802
-	Harness for Refrigerant Pressure Transducer CRT #2	170610001
WFS	Water Flow Sensor	330571401
WF1	Water Flow Differential Pressure Switch	070180519
PVM1, 2	Phase Voltage Monitor 208V - 460V (Before 3/05)	098860401
PVM1, 2	Phase Voltage Monitor 575V (Before 3/05)	059475303
PVM1, 2	Phase Voltage Monitor 208V - 460V (After 3/05)	112022001
PVM1, 2	Phase Voltage Monitor 575V (After 3/05)	112022002
R1- 4	Relay, Compressor (Before 3/05)	032508101
R1- 4	Relay, Compressor (After 3/05)	349934704
	Relay Socket	349934801
R11- 14	Relay, Electric Heat (Before 3/05)	026213000
R11- 14	Relay, Electric Heat (After 3/05)	349934704
	Relay Socket	349934801
R18	Relay, Cool Enable (Before 3/05)	072789226K [1]
R18	Relay, Cool Enable (After 3/05)	349934701
	Relay Socket	349934801
R36	Relay, Fan Remote Start (After 3/05)	349934901
	Relay Socket	349935001
R37, 38	Relay, Fan Remote Start (After 3/05)	349934701
	Relay Socket	349934801
R46, 47	Relay, SAF Inverter (Before 3/05)	072789226K [1]
R46, 47	VFD Dual Relay Interface Board (After 3/05)	112033501 [2]
R67	Relay, SAF Enable (Before 3/05)	073305401
R67	Relay, SAF Enable (After 3/05)	349934901
	Relay Socket	349935001
R69	Relay, SAF Bypass (Before 3/05)	032508101
R69	Relay, SAF Bypass (After 3/05)	349934704
	Relay Socket	349934801
-	MicroTech II Repair Kit (Contains hardware to terminate inputs & outputs)	300036605
LT1	Lamp, Red LED	065810804

[1] Relay Assembly 072789226K consists of: Relay 060017101, Relay Socket 060016901, Spring Clip 060017001, 2pc. Screw 038990805 and Instructions.

[2] P/N 112033501 replaces relays R46 & R47. Also requires 2pc. of connector p/n 300044096.

MicroTech II Control Components
Controls- Compressor, Before 3/05
Code 06= *D*, *S*

SCHEM. SYMBOL	DESCRIPTION	PART NO.	COMPRESSOR HP		
			05 HP	10 HP	13 HP
USED WITH 208/230V COMPRESSORS:					
FB1- 4	FUSE BLOCK, 30A	023780204	1		
FB1- 4	FUSE BLOCK, 60A	023780209		1	1
ON FB1- 4	FUSE, 30A	025860509	3		
ON FB1- 4	FUSE, 45A	735045516		3	
ON FB1- 4	FUSE, 60A	025860514			3
M1- 4	CONTACTOR, 30A	027514402	1		
M1- 4	CONTACTOR, 50A	027514404		1	
M1- 4	CONTACTOR, 60A	027514405			1
USED WITH 460V COMPRESSORS:					
FB1- 4	FUSE BLOCK, 30A	023780205	1	1	1
ON FB1- 4	FUSE, 15A	025860405	3		
ON FB1- 4	FUSE, 30A	025860408		3	3
M1- 4	CONTACTOR, 30A	027514401	1		
M1- 4	CONTACTOR, 40A	027514402		1	
M1- 4	CONTACTOR, 50A	072514403			1
USED WITH 575V COMPRESSORS:					
FB1- 4	FUSE BLOCK, 30A	023780205	1	1	1
ON FB1- 4	FUSE, 12A	735045505	3		
ON FB1- 4	FUSE, 20A	025860406		3	
ON FB1- 4	FUSE, 25A	025860407			3
M1- 4	CONTACTOR, 25A	027514401	1		
M1- 4	CONTACTOR, 30A	027514402		1	
M1- 4	CONTACTOR, 40A	027514403			1

MicroTech II Control Components
Controls- Electric Heat Before 3/05 [1]
Code 06= *D*, *S*

34KW ELECTRIC HEAT: CODE 28= E34

SCHEM. SYMBOL	DESCRIPTION	PART NO.	QTY.
208/230V:			
FB11- FB14	FUSE BLOCK, 60A	023780209	[2]
ON FB11- FB14	FUSE, 60A	025860514	[2]
M11- M18	CONT.,40A W/AUX.	027514403	[2]
460V:			
FB11- FB14	FUSE BLOCK, 30A	023780205	[2]
ON FB11- FB14	FUSE, 30A	025860409	[2]
M11- M18	CONT., 30A W/AUX	027514401	[2]

[1] For 575V parts, contact Daikin McQuay Parts with the unit GO and Serial Number in order to corrrectly identify the needed part(s).

[2] Quantity varies by options selected. Confirm quantity required before ordering.

MicroTech II Control Components
Controls- Disconnect Switch Before 3/05 [1]
Code 06= *D*, *S*

SCHEM. SYMBOL	DESCRIPTION	DISC. PART NUMBER	SWITCH BRACKET
DS1, 2	DISCONNECT SWITCH, 100A	047442101	074469501
	DISCONNECT SWITCH, 150A	047442102	074469501
	DISCONNECT SWITCH, 225A	047442103	074457501
	DISCONNECT SWITCH, 250A	047442104	074457601
	DISCONNECT SWITCH, 400A	047442108	074457701
	DISCONNECT SWITCH, 600A	047442106	074457701

[1] This list includes the most common Disconnects offered. Due to the various unit options available, before ordering it is necessary to confirm what amperage Disconnect is installed in the unit, or if this is not known, contact Daikin McQuay Parts with model and serial number information to ensure that the correct parts(s) are ordered.

MicroTech II Control Components
Controls- Fan Motor 208V, Before 3/05 [1]
Code 06= *D*, *S*

SCHEM. SYMBOL	DESCRIPTION	PART NO.	MOTOR HP					
			05	7.5	10	15	20	25
FB10	FUSE BLOCK, 30A	023780204	1					
FB10	FUSE BLOCK, 60A	023780209		1	1			
FB10	FUSE BLOCK, 100A	023780213				1	1	
ON FB10	FUSE, 25A	025860508	3					
ON FB10	FUSE, 35A	025860510		3				
ON FB10	FUSE, 50A	025860513			3			
ON FB10	FUSE, 70A	025860515				3		
ON FB10	FUSE, 90A	025860517					3	
ON FB10	FUSE, 110A	025860519						3
M10	CONTACTOR, 25A	027514401 [1, 2]	1					
M10	CONTACTOR, 30A	027514402 [1, 2]		1				
M10	CONTACTOR, 40A	027514403 [1, 2]			1			
M10	CONTACTOR, 50A	027514404 [1, 2]				1		
M10	CONTACTOR, 75A	027514406 [1, 2]					1	
M10	CONTACTOR, 90A	027514407 [1, 2]						1
OL10	OVERLOAD, 32A	059990101 [2]	1	1				
OL10	OVERLOAD, 75A	059990201 [2]			1	1	1	
OL10	OVERLOAD, 105A	059990301 [2]						1
-	OVERLOAD HEATER	059990612 [2]	1					
-	OVERLOAD HEATER	059990613 [2]		1				
-	OVERLOAD HEATER	059990614 [2]			1			
-	OVERLOAD HEATER	059990616 [2]				1		
-	OVERLOAD HEATER	059990617 [2]					1	
-	OVERLOAD HEATER	059990622 [2]						1
M30	BYP. CONTR. 25A	066814301 [1]	1					
M30	BYP. CONTR. 30A	066814302 [1]		1				
M30	BYP. CONTR. 40A	066814303 [1]			1			
M30	BYP. CONTR. 50A	066814304 [1]				1		
M30	BYP. CONTR. 75A	066814306 [1]					1	
M30	BYP. CONTR. 90A	066814307 [1]						1

[1] For units with Ultraviolet lights, contact Daikin McQuay Parts to ensure that the needed parts(s) are correctly identified.
[2] Not used on units with Remote Inverters.

MicroTech II Control Components
Controls- Fan Motor 230V, Before 3/05
Code 06= *D*, *S*

SCHEM. SYMBOL	DESCRIPTION	PART NO.	MOTOR HP					
			05	7.5	10	15	20	25
FB10	FUSE BLOCK, 30A	023780204	1					
FB10	FUSE BLOCK, 60A	023780209		1	1	1		
FB10	FUSE BLOCK, 100A	023780213					1	1
ON FB10	FUSE, 25A	025860508	3					
ON FB10	FUSE, 35A	025860510		3				
ON FB10	FUSE, 40A	025860511			3			
ON FB10	FUSE, 60A	025860514				3		
ON FB10	FUSE, 80A	025860516					3	
ON FB10	FUSE, 100A	025860518						3
M10	CONTACTOR, 25A	027514401 [1, 2]	1	1				
M10	CONTACTOR, 30A	027514402 [1, 2]			1			
M10	CONTACTOR, 50A	027514404 [1, 2]				1		
M10	CONTACTOR, 75A	027514405 [1, 2]					1	
M10	CONTACTOR, 90A	027514406 [1, 2]						1
OL10	OVERLOAD, 32A	059990101 [2]	1	1				
OL10	OVERLOAD, 75A	059990201 [2]			1	1	1	1
-	OVERLOAD HEATER	059990612 [2]	1					
-	OVERLOAD HEATER	059990613 [2]		1				
-	OVERLOAD HEATER	059990614 [2]			1			
-	OVERLOAD HEATER	059990616 [2]				1		
-	OVERLOAD HEATER	059990617 [2]					1	1
M30	BYP. CONTR. 25A	066814301	1	1				
M30	BYP. CONTR. 30A	066814302			1			
M30	BYP. CONTR. 50A	066814304				1		
M30	BYP. CONTR. 60A	066814305					1	
M30	BYP. CONTR. 75A	066814306						1

[1] For units with Ultraviolet lights, contact Daikin McQuay Parts to ensure that the needed parts(s) are correctly identified.

[2] Not used on units with Remote Inverters.

MicroTech II Control Components
Controls- Fan Motor 460V, Before 3/05
Code 06= *D*, *S*

SCHEM. SYMBOL	DESCRIPTION	PART NO.	MOTOR HP					
			05	7.5	10	15	20	25
FB10	FUSE BLOCK, 30A	023780205	1	1	1	1		
FB10	FUSE BLOCK, 60A	023780210					1	1
ON FB10	FUSE, 12A	025860438	3					
ON FB10	FUSE, 17.5A	025860406		3				
ON FB10	FUSE, 20A	025860407			3			
ON FB10	FUSE, 30A	025860409				3		
ON FB10	FUSE, 40A	025860411					3	
ON FB10	FUSE, 50A	025860413						3
M10	CONTACTOR, 25A	027514401 [1, 2]	1	1	1			
M10	CONTACTOR, 30A	027514402 [1, 2]				1		
M10	CONTACTOR, 40A	027514403 [1, 2]					1	
M10	CONTACTOR, 50A	027514404 [1, 2]						1
OL10	OVERLOAD, 32A	059990101 [2]	1	1	1	1	1	
OL10	OVERLOAD, 75A	059990201 [2]						1
-	OVERLOAD HEATER	059990610 [2]	1					
-	OVERLOAD HEATER	059990611 [2]		1				
-	OVERLOAD HEATER	059990612 [2]			1			
-	OVERLOAD HEATER	059990613 [2]				1	1	
-	OVERLOAD HEATER	059990615 [2]						1
M30	BYP. CONTR. 25A	066814301	1	1	1			
M30	BYP. CONTR. 30A	066814302				1		
M30	BYP. CONTR. 40A	066814303					1	
M30	BYP. CONTR. 50A	066814304						1

[1] For units with Ultraviolet lights, contact Daikin McQuay Parts to ensure that the needed parts(s) are correctly identified.

[2] Not used on units with Remote Inverters.

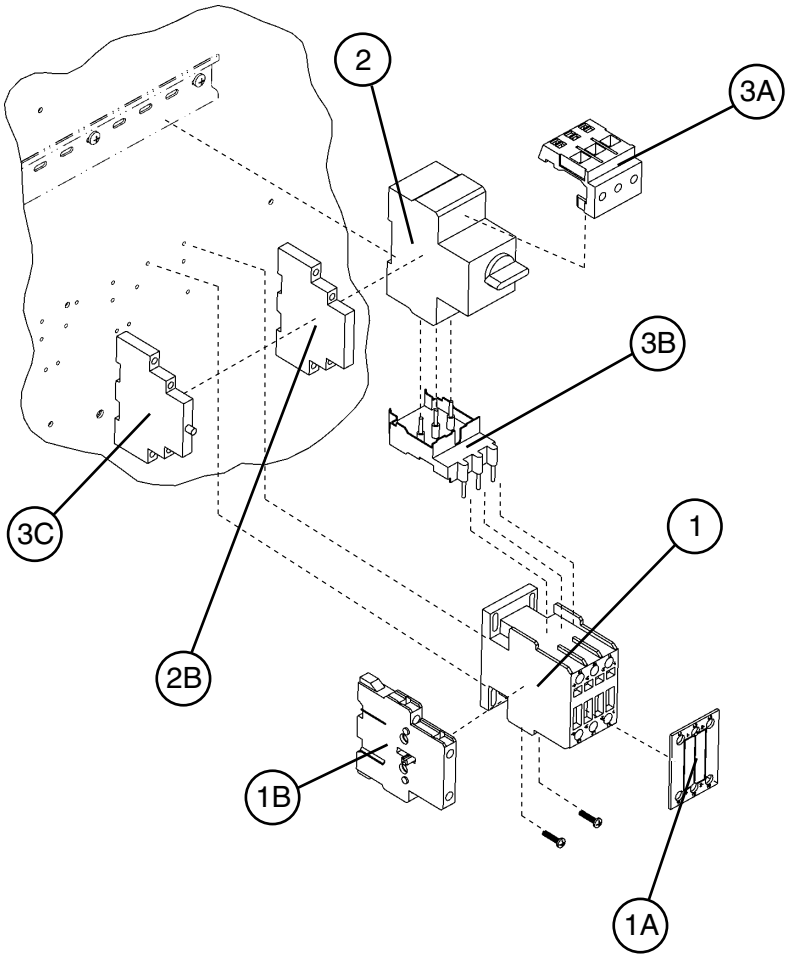
MicroTech II Control Components
Controls- Fan Motor 575V, Before 3/05
Code 06= *D*, *S*

SCHEM. SYMBOL	DESCRIPTION	PART NO.	MOTOR HP					
			05	7.5	10	15	20	25
FB10	FUSE BLOCK, 30A	023780205	1	1	1	1		
FB10	FUSE BLOCK, 60A	023780210					1	1
ON FB10	FUSE, 9A	025860430	3					
ON FB10	FUSE, 15A	025860405		3				
ON FB10	FUSE, 17.5A	025860406			3			
ON FB10	FUSE, 30A	025860409				3		
ON FB10	FUSE, 35A	025860410					3	
ON FB10	FUSE, 40A	025860411						3
M10	CONTACTOR, 25A	027514401 [1, 2]	1	1	1			
M10	CONTACTOR, 30A	027514402 [1, 2]				1		
M10	CONTACTOR, 40A	027514403 [1, 2]					1	
M10	CONTACTOR, 50A	027514404 [1, 2]						1
OL10	OVERLOAD, 32A	059990101 [1]	1	1	1	1	1	1
-	OVERLOAD HEATER	059990609 [2]	1					
-	OVERLOAD HEATER	059990610 [2]		1				
-	OVERLOAD HEATER	059990611 [2]			1			
-	OVERLOAD HEATER	059990612 [2]				1	1	
-	OVERLOAD HEATER	059990613 [2]						1
M30	BYP. CONTR. 25A	066814301	1	1	1			
M30	BYP. CONTR. 30A	066814302				1		
M30	BYP. CONTR. 40A	066814303					1	
M30	BYP. CONTR. 50A	066814304						1

[1] For units with Ultraviolet lights, contact Daikin McQuay Parts to ensure that the needed parts(s) are correctly identified.

[2] Not used on units with Remote Inverters.

MicroTech II Control Components
Controls- Compressor, 3/05 to 10/06
Code 06= *D*, *S*
Compressor Contactor and Manual Motor Protector Configuration Diagram [1]



[1] The above diagram shows typical Compresor Control components and component locations. Not all components are used in every assembly.

MicroTech II Control Components
Controls- Compressor, 3/05 to 10/06 [1]
Code 06= *D*, *S*

Ref. No.	Sch. Sym.	Part Description	Part Number	Compressor HP		
				05 HP	10 HP	13 HP
USED WITH 208/230V COMPRESSORS						
1	M1- 4	Contactor	349932301	1		
		Contactor	349932501		1	
		Contactor	349932502			1
1A		Cover- Contactor	349932803	1		
		Cover- Contactor	349932805		1	1
1B		Auxilary Contact 1/NC/1NO	349932001	1	1	1
2	MMP1- 4	Manual Motor Protector	349934012	1 [2]		
		Manual Motor Protector	349934013	1 [3]		
		Manual Motor Protector	349934106		1	
		Manual Motor Protector	349934107			1 [2]
		Manual Motor Protector	349934108			1 [3]
2B		Auxilary Contact 1/NC/1NO	349933901	1		
		Auxilary Contact 1/NC/1NO	349933801		1	1
3A		Line Shield	300041300	1		
3B		Link	349932904	1		
		Link	349932907		1	1
3C		Short Circuit Alarm	349933903	1	1	1
USED WITH 460V COMPRESSORS						
1	M1- 4	Contactor	349932103	1		
		Contactor	349932201		1	
		Contactor	349932301			1
1A		Cover- Contactor	349932801	1		
		Cover- Contactor	349932802		1	
		Cover- Contactor	349932803			1
1B		Auxilary Contact 1/NC/1NO	349932001	1	1	1
2	MMP1- 4	Manual Motor Protector	349934010	1		
		Manual Motor Protector	349934012		1	
		Manual Motor Protector	349934013			1[2]
		Manual Motor Protector	349934014			1[3]
2B		Auxilary Contact 1/NC/1NO	349933901	1	1	1
3A		Line Shield	300041300	1	1	1
3B		Link	349932902	1		
		Link	349932903		1	
		Link	349932904			1
3C		Short Circuit Alarm	349933903	1	1	1

[1] Quantities shown are per compressor.
[2] Low Temperature Condensing Code 24= S.
[3] High Temperature Condensing Code 24= G.

MicroTech II Control Components
Controls- Compressor, 3/05 to 10/06, Continued [1]
Code 06= *D*, *S*

Ref. No.	Sch. Sym.	Part Description	Part Number	Compressor HP		
				05 HP	10 HP	13 HP
USED WITH 575V COMPRESSORS						
1	M1- 4	Contactor	349932102	1		
		Contactor	349932103		1	
		Contactor	349932201			1
1A		Cover- Contactor	349932801	1	1	
		Cover- Contactor	349932802			1
1B		Auxilary Contact 1/NC/1NO	349932001	1	1	1
2	MMP1- 4	Manual Motor Protector	349934009	1 [2]		
		Manual Motor Protector	349934010	1 [3]	1 [2]	
		Manual Motor Protector	349934011		1 [3]	
		Manual Motor Protector	349934012			1 [2]
		Manual Motor Protector	349934013			1 [3]
2B		Auxilary Contact 1/NC/1NO	349933901	1	1	1
3A		Line Shield	300041300	1	1	1
3B		Link	349932902	1	1	
		Link	349932903			1

[1] Quantities shown are per compressor.
[2] Low Temperature Condensing Code 24= S.
[3] High Temperature Condensing Code 24= G.

MicroTech II Control Components
Controls- Electric Heat, 3/05 to 10/06
Code 06= *D*, *S*
8KW Heater Element Components

SCHEM. SYMBOL	DESCRIPTION	PART NO.	QTY.
208V:			
FB11- FB14	FUSE BLOCK, 30A	023780224	[1]
ON FB11- FB14	FUSE, 30A	025860509	[1]
ON FB11- FB14	FUSE PULLER/COVER	349938209	[1]
M11- M18	CONTACTOR, 45A	349932201	[1]
230V:			
FB11- FB14	FUSE BLOCK, 30A	023780224	[1]
ON FB11- FB14	FUSE, 25A	025860508	[1]
ON FB11- FB14	FUSE PULLER/COVER	349938209	[1]
M11- M18	CONTACTOR, 45A	349932201	[1]
460V:			
FB11- FB14	FUSE BLOCK, 30A	023780225	[1]
ON FB11- FB14	FUSE, 15A	025860405	[1]
ON FB11- FB14	FUSE PULLER/COVER	349938202	[1]
M11- M18	CONTACTOR, 45A	349932201	[1]
575V:			
FB11- FB14	FUSE BLOCK, 30A	023780225	[1]
ON FB11- FB14	FUSE, 15A	025860405	[1]
ON FB11- FB14	FUSE PULLER/COVER	349938202	[1]
M11- M18	CONTACTOR, 45A	349932201	[1]

[1] Quantity varies by options selected. Confirm quantity required before ordering.

MicroTech II Control Components
Controls- Electric Heat, 3/05 to 10/06
Code 06= *D*, *S*
17KW Heater Element Components

SCHEM. SYMBOL	DESCRIPTION	PART NO.	QTY.
208/230V:			
FB11- FB14	FUSE BLOCK, 60A	023780229	[1]
ON FB11- FB14	FUSE, 50A	025860513	[1]
ON FB11- FB14	FUSE PULLER/COVER	349938201	[1]
M11- M18	CONTACTOR, 50A	349932301	[1]
460V:			
FB11- FB14	FUSE BLOCK, 30A	023780225	[1]
ON FB11- FB14	FUSE, 30A	025860409	[1]
ON FB11- FB14	FUSE PULLER/COVER	349938202	[1]
M11- M18	CONTACTOR, 45A	349932201	[1]
575V:			
FB11- FB14	FUSE BLOCK, 30A	023780225	[1]
ON FB11- FB14	FUSE, 25A	025860408	[1]
ON FB11- FB14	FUSE PULLER/COVER	349938202	[1]
M11- M18	CONTACTOR, 45A	349932201	[1]

[1] Quantity varies by options selected. Confirm quantity required before ordering.

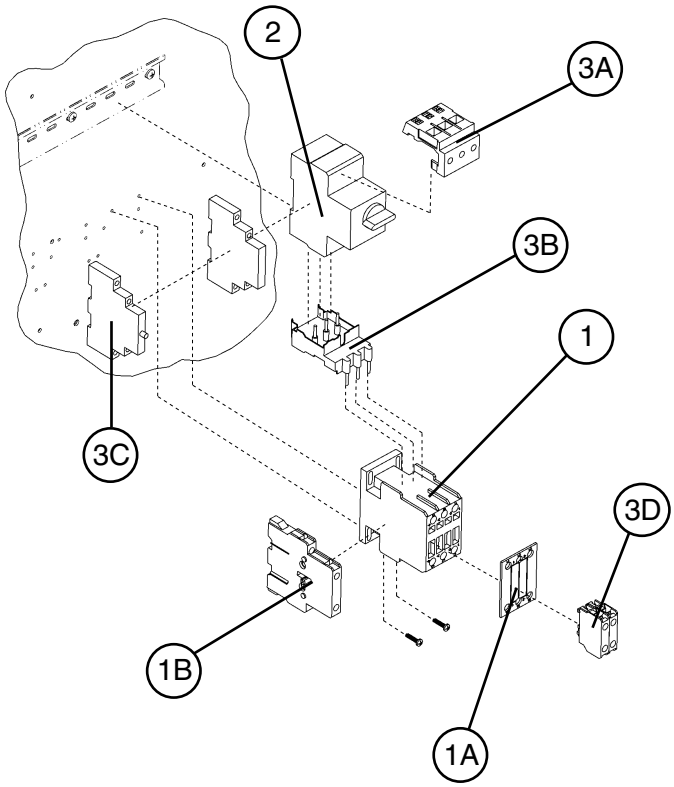
MicroTech II Control Components
Controls- Disconnect Switch, 3/05 to 10/06
Code 06= *D*, *S*

Sch. Sym.	Part Description	Amps	Disconnect Switch Component [1]			
			Switch	Handle	Lugs	Insulation
DS1, 2	Disconnect Switch	100 Amp	349935101	349935501	349935901 (6)	349903701
	Disconnect Switch	150 Amp	349935102	349935501	349935901 (6)	349903701
	Disconnect Switch	250 Amp	349935201	349935501	349936001 (6)	349903702
	Disconnect Switch	400 Amp	349935301	349935602	349936201 (2)	349903703
	Disconnect Switch	600 Amp	349935302	349935602	349936201 (2)	349903703

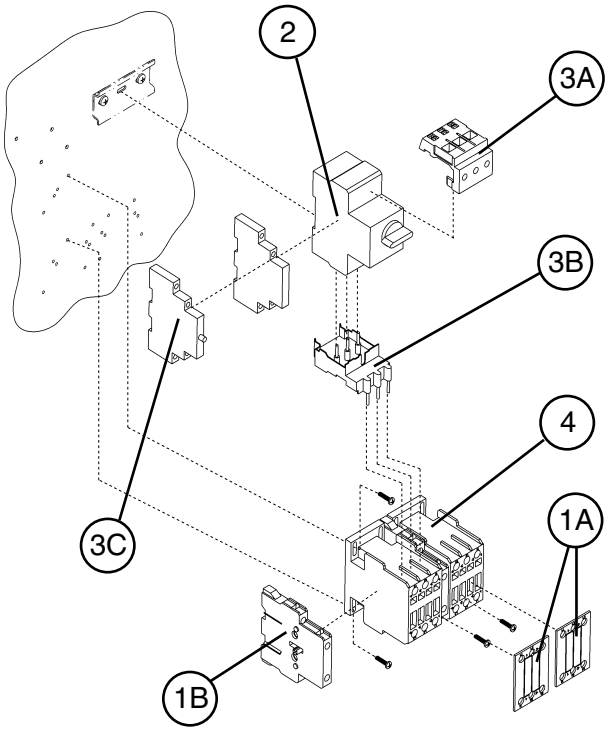
[1] This list includes the most common Disconnects offered. Due to the various unit options available, before ordering it is necessary to confirm what amperage Disconnect is installed in the unit, or if this is not known, contact Daikin McQuay Parts with model and serial number information to ensure that the correct parts(s) are ordered.

MicroTech II Control Components
Controls- Fan Motor, 3/05 to 10/06
Code 06= *D*, *S*
Fan Contactor and Manual Motor Protector Configuration Diagrams [1]

Fan Contactor Assembly Without Bypass

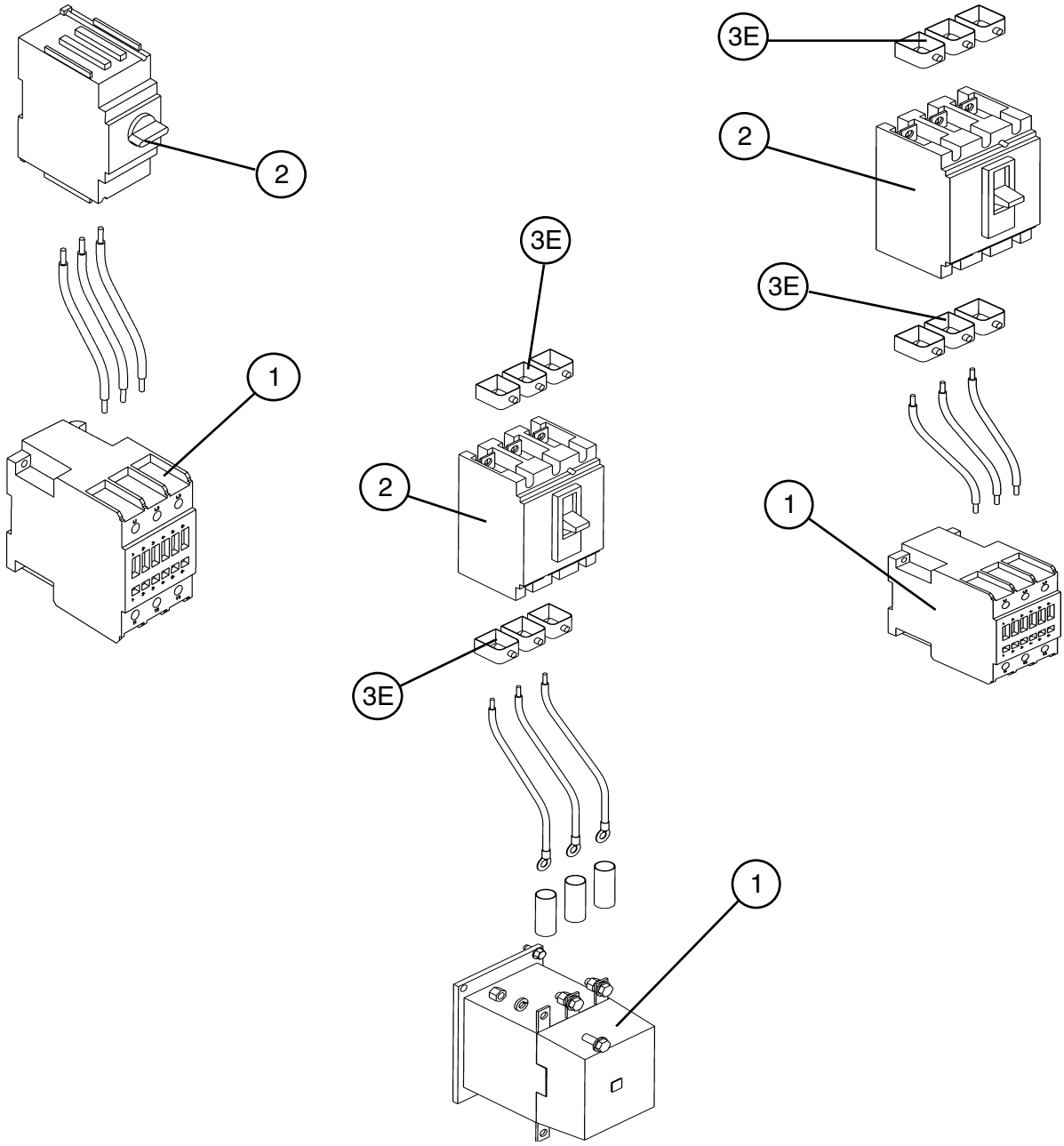


Fan Contactor Assembly With Bypass



[1] The above diagrams show typical Fan Control components and component locations. Not all components are used in every assembly. For additional Contactor and Manual Motor Protector configurations, refer to the diagrams on the next page.

MicroTech II Control Components
Controls- Fan Motor, 3/05 to 10/06
Code 06= *D*, *S*
Fan Contactor and Manual Motor Protector Configuration Diagrams, Continued [1]



[1] The above diagrams show typical Fan Control components and component locations. Not all components are used in every assembly. Note that M10 contactors (Ref. #1) are shown above. M30 Bypass contactors (Ref. #4) are located in the same position as M10.

MicroTech II Control Components
Controls- Fan Motor, 3/05 to 10/06
Code 06= *D*, *S*
Components

5 HP Motor- Code 17= J*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932301	1			
		Contactor	349932201		1		
		Contactor	349932102			1	1
1A		Cover- Contactor	349932803	[1]			
		Cover- Contactor	349932802		[1]		
		Cover- Contactor	349932801			[1]	[1]
2	MMP10	Manual Motor Protector	349934012	1	1		
		Manual Motor Protector	349934010			1	
		Manual Motor Protector	349934009				1
3A		Line Shield	300041300	1	1	1	1
3B		Link	349932904	1			
		Link	349932903		1		
		Link	349932902			1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Auxilary Contact 1/NO	349931902		1		
4	M30	Bypass Contactor	349933301	1			
		Bypass Contactor	349933201		1		
		Bypass Contactor	349933102			1	1
	CB10	Circuit Breaker	349936601	1	1	1	1
NS		Circuit Breaker Lugs	349935901	6	6	6	6

7.5 HP Motor- Code 17= K*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932401	1			
		Contactor	349932301		1		
		Contactor	349932102			1	1
1A		Cover- Contactor	349932804	[1]			
		Cover- Contactor	349932803		[1]		
		Cover- Contactor	349932801			[1]	[1]
2	MMP10	Manual Motor Protector	349934105	1			
		Manual Motor Protector	349934014		1		
		Manual Motor Protector	349934011			1	
		Manual Motor Protector	349934010				1
3A		Line Shield	300041300		1	1	1
3B		Link	349932906	1			
		Link	349932904		1		
		Link	349932902			1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Auxilary Contact 1/NO	349931902	1			
4	M30	Bypass Contactor	349933401	1			
		Bypass Contactor	349933301		1		
		Bypass Contactor	349933102			1	1
	CB10	Circuit Breaker	349936601	1	1	1	1
NS		Circuit Breaker Lugs	349935901	6	6	6	6

NS= Not shown on Diagram.

[1] One Contactor Cover is used for M10 Fan Contactor and two covers are used for M30 Bypass Contactor.

MicroTech II Control Components
Controls- Fan Motor, 3/05 to 10/06
Code 06= *D*, *S*
Components, Continued

10 HP Motor- Code 17= L*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932501	1	1		
		Contactor	349932201			1	
		Contactor	349932102				1
1A		Cover- Contactor	349932805	[1]	[1]		
		Cover- Contactor	349932802			[1]	
		Cover- Contactor	349932801				[1]
2	MMP10	Manual Motor Protector	349934106	1	1		
		Manual Motor Protector	349934012			1	
		Manual Motor Protector	349934011				1
3A		Line Shield	300041300			1	1
3B		Link	349932907	1	1		
		Link	349932903			1	
		Link	349932902				1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Auxilary Contact 1/NC	349931901	1	1		
3D		Auxilary Contact 1/NO	349931902	1	1	1	
4	M30	Bypass Contactor	349933501	1	1		
		Bypass Contactor	349933201			1	
		Bypass Contactor	349933102				1
	CB10	Circuit Breaker	349936602	1	1		
		Circuit Breaker	349936601			1	1
NS		Circuit Breaker Lugs	349935901	6	6	6	6

15 HP Motor- Code 17= M*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932501	1	1		
		Contactor	349932301			1	1
1A		Cover- Contactor	349932805	[1]	[1]		
		Cover- Contactor	349932803			[1]	[1]
2	MMP10	Manual Motor Protector	349934108	1	1		
		Manual Motor Protector	349934014			1	
		Manual Motor Protector	349934013				1
3A		Line Shield	300041300			1	1
3B		Link	349932907	1	1		
		Link	349932904			1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Auxilary Contact 1/NC	349931901	1	1		
3D		Auxilary Contact 1/NO	349931902	1	1		
4	M30	Bypass Contactor	349933501	1	1		
		Bypass Contactor	349933301			1	1
	CB10	Circuit Breaker	349936602	1	1		
		Circuit Breaker	349936601			1	1
NS		Circuit Breaker Lugs	349935901	6	6	6	6

NS= Not shown on Diagram.

[1] One Contactor Cover is used for M10 Fan Contactor and two covers are used for M30 Bypass Contactor.

MicroTech II Control Components
Controls- Fan Motor, 3/05 to 10/06
Code 06= *D*, *S*
Components, Continued

20 HP Motor- Code 17= N*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932601	1	1		
		Contactor	349932501			1	1
1A		Cover- Contactor	349932805			[1]	[1]
2	MMP10	Manual Motor Protector	349934109	1			
		Manual Motor Protector	349934108		1		
		Manual Motor Protector	349934106			1	
		Manual Motor Protector	349934105				1
3B		Link	349932907			1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Auxilary Contact 1/NC	349931901	1	1	1	1
3D		Auxilary Contact 1/NO	349931902	1	1	1	1
4	M30	Bypass Contactor	349933601	1	1		
		Bypass Contactor	349933501			1	1
	CB10	Circuit Breaker	349936603	1	1		
		Circuit Breaker	349936602			1	
		Circuit Breaker	349936601				1
NS		Circuit Breaker Lugs	349935901	6	6	6	6

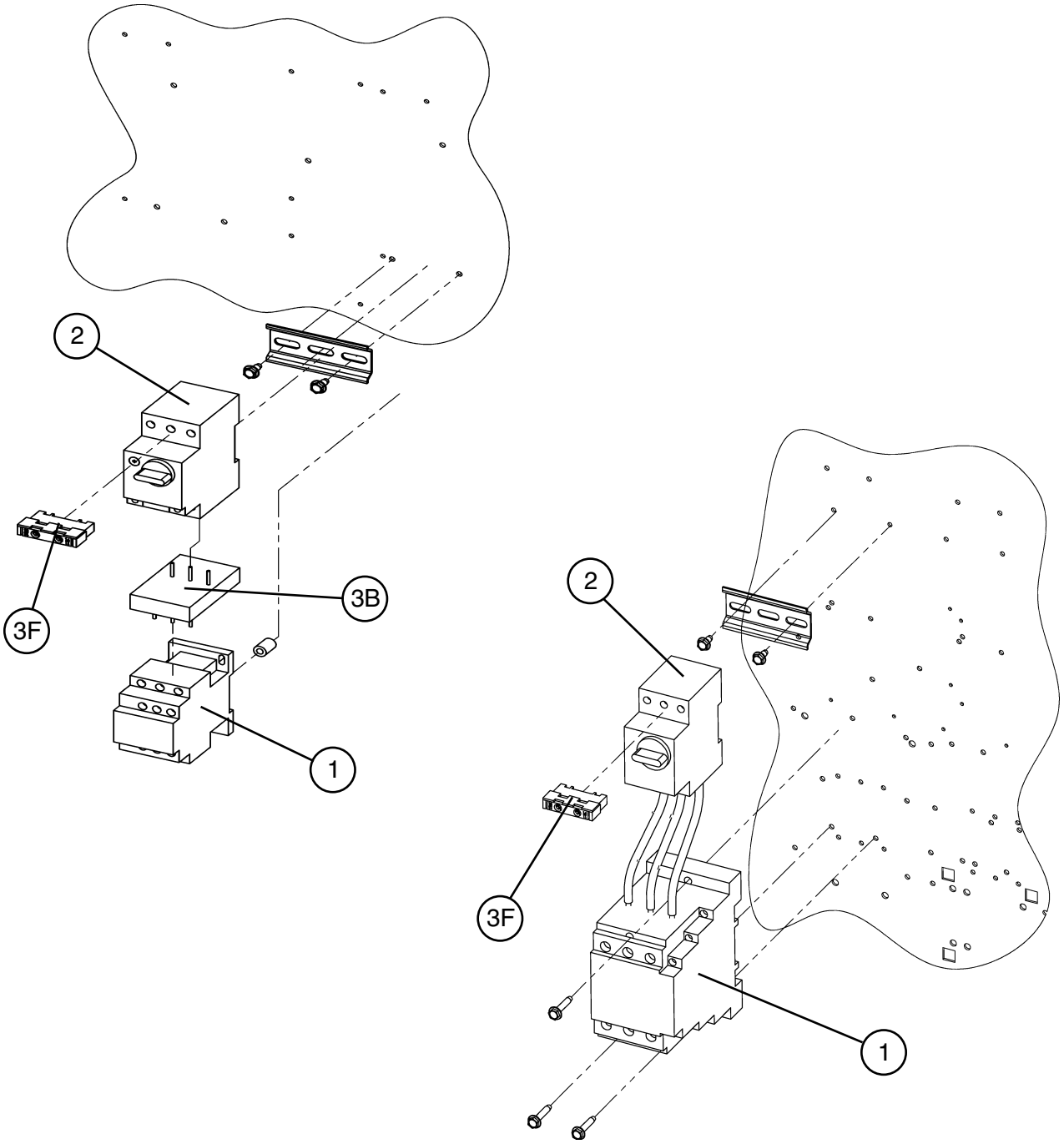
25 HP Motor- Code 17= P*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932601	1	1		
		Contactor	349932501			1	1
1A		Cover- Contactor	349932805			[1]	[1]
2	MMP10	Manual Motor Protector	349938606	1			
		Manual Motor Protector	349934109		1		
		Manual Motor Protector	349934107			1	
		Manual Motor Protector	349934106				1
3B		Link	349932907			1	1
3C		Short Circuit Alarm	349933903		1	1	1
3D		Auxilary Contact 1/NC	349931901	1	1	1	1
3D		Auxilary Contact 1/NO	349931902	1	1	1	1
3E		Lugs (3 per kit)	349938801	2			
4	M30	Bypass Contactor	349933601	1	1		
		Bypass Contactor	349933501			1	1
	CB10	Circuit Breaker	349936603	1	1		
		Circuit Breaker	349936602			1	1
NS		Circuit Breaker Lugs	349935901	6	6	6	6

NS= Not shown on Diagram.

[1] One Contactor Cover is used for M10 Fan Contactor and two covers are used for M30 Bypass Contactor.

MicroTech II Control Components
Controls- Compressor, After 1/07
Code 06= *D*, *S*
Diagrams [1]



[1] The above diagrams show typical Compresor Control components and component locations. Not all components are used in every assembly.

MicroTech II Control Components
Controls- Compressor, After 1/07 [1]
Code 06= *D*, *S*
Components

Ref. No.	Sch. Sym.	Part Description	Part Number	Compressor HP		
				05 HP	10 HP	13 HP
USED WITH 208/230V COMPRESSORS						
1	M1- 4	Contactor	349932322	1		
		Contactor	349932521		1	
		Contactor	349932523			1
	MMP1- 4	Manual Motor Protector	349934052	1 [2]		
		Manual Motor Protector	349934053	1 [3]		
		Manual Motor Protector	349934055		1	
		Manual Motor Protector	349934147			1 [2]
		Manual Motor Protector	349934148			1 [3]
3B		Link	349932922	1		
3F		Auxilary Contact 1/NC/1NO	349933821	1	1	1
USED WITH 460V COMPRESSORS						
1	M1- 4	Contactor	349932123	1		
		Contactor	349932321		1	
		Contactor	349932322			1
2	MMP1- 4	Manual Motor Protector	349934050	1		
		Manual Motor Protector	349934051		1[2]	
		Manual Motor Protector	349934052		1[3]	1[2]
		Manual Motor Protector	349934053			1[3]
3B		Link	349932922	1	1	1
3F		Auxilary Contact 1/NC/1NO	349933821	1	1	1
USED WITH 575V COMPRESSORS						
1	M1- 4	Contactor	349932123	1		
		Contactor	349932321		1	
		Contactor	349932322			1
2	MMP1- 4	Manual Motor Protector	349934049	1 [2]		
		Manual Motor Protector	349934050	1 [3]		
		Manual Motor Protector	349934051		1	1 [2]
		Manual Motor Protector	349934052			1 [3]
3B		Link	349932922	1	1	1
3F		Auxilary Contact 1/NC/1NO	349933821	1	1	1

[1] If the unit was built between 10/06 and 12/06 contact Daikin McQuay Parts with the unit GO and Serial Number in order to corrrectly identify the needed part(s). Quantities shown are per compressor.

[2] Low Temperature Condensing Code 24= S.

[3] High Temperature Condensing Code 24= G.

MicroTech II Control Components
Controls- Electric Heat, After 1/07 [1]
Code 06= *D*, *S*
8KW Heater Element Components

SCHEM. SYMBOL	DESCRIPTION	PART NO.	QTY.
208V:			
FB11- FB14	FUSE BLOCK, 30A	023780224	[2]
ON FB11- FB14	FUSE, 30A	025860509	[2]
ON FB11- FB14	FUSE PULLER/COVER	349938229	[2]
M11- M18	CONTACTOR, 40A	349932321	[2]
230V:			
FB11- FB14	FUSE BLOCK, 30A	023780224	[2]
ON FB11- FB14	FUSE, 25A	025860508	[2]
ON FB11- FB14	FUSE PULLER/COVER	349938229	[2]
M11- M18	CONTACTOR, 40A	349932321	[2]
460V:			
FB11- FB14	FUSE BLOCK, 30A	023780225	[2]
ON FB11- FB14	FUSE, 15A	025860405	[2]
ON FB11- FB14	FUSE PULLER/COVER	349938222	[2]
M11- M18	CONTACTOR, 40A	349932321	[2]
575V:			
FB11- FB14	FUSE BLOCK, 30A	023780225	[2]
ON FB11- FB14	FUSE, 15A	025860405	[2]
ON FB11- FB14	FUSE PULLER/COVER	349938222	[2]
M11- M18	CONTACTOR, 40A	349932321	[2]

[1] If the unit was built between 10/06 and 12/06 contact Daikin McQuay Parts with the unit GO and Serial Number in order to corrrectly identify the needed part(s).

[2] Quantity varies by options selected. Confirm quantity required before ordering.

MicroTech II Control Components
Controls- Electric Heat, After 1/07 [1]
Code 06= *D*, *S*
17KW Heater Element Components

SCHEM. SYMBOL	DESCRIPTION	PART NO.	QTY.
208/230V:			
FB11- FB14	FUSE BLOCK, 60A	023780229	[2]
ON FB11- FB14	FUSE, 50A	025860513	[2]
ON FB11- FB14	FUSE PULLER/COVER	349938221	[2]
M11- M18	CONTACTOR, 50A	349932322	[2]
460V:			
FB11- FB14	FUSE BLOCK, 30A	023780225	[2]
ON FB11- FB14	FUSE, 30A	025860409	[2]
ON FB11- FB14	FUSE PULLER/COVER	349938222	[2]
M11- M18	CONTACTOR, 40A	349932321	[2]
575V:			
FB11- FB14	FUSE BLOCK, 30A	023780225	[2]
ON FB11- FB14	FUSE, 25A	025860408	[2]
ON FB11- FB14	FUSE PULLER/COVER	349938222	[2]
M11- M18	CONTACTOR, 40A	349932321	[2]

[1] If the unit was built between 10/06 and 12/06 contact Daikin McQuay Parts with the unit GO and Serial Number in order to corrrectly identify the needed part(s).
[2] Quantity varies by options selected. Confirm quantity required before ordering.

MicroTech II Control Components
Controls- Disconnect Switch, After 1/07 [1, 2]
Code 06= *D*, *S*

Sch. Sym.	Part Description	Amps	Disconnect Switch Component		
			Switch	Handle [3]	Shaft
DS1, 2	Disconnect Switch	100 Amp	349935125	349935523	349962211
	Disconnect Switch	150 Amp	349935126	349935533	349962212
	Disconnect Switch	250 Amp	349935226	349935533	349962212
	Disconnect Switch	400 Amp	349935325	349935622	349962213
	Disconnect Switch	600 Amp	193438205 [5]	[4, 5]	349962243 [5]

[1] This list includes the most common Disconnects offered. Due to the various unit options available, before ordering it is necessary to confirm what amperage Disconnect is installed in the unit, or if this is not known, contact Daikin McQuay Parts with model and serial number information to ensure that the correct parts(s) are ordered.

[2] If the unit was built between 10/1/06 and 12/31/06 contact Daikin McQuay Parts with the unit GO and Serial Number in order to insure that the correct Switch is ordered.

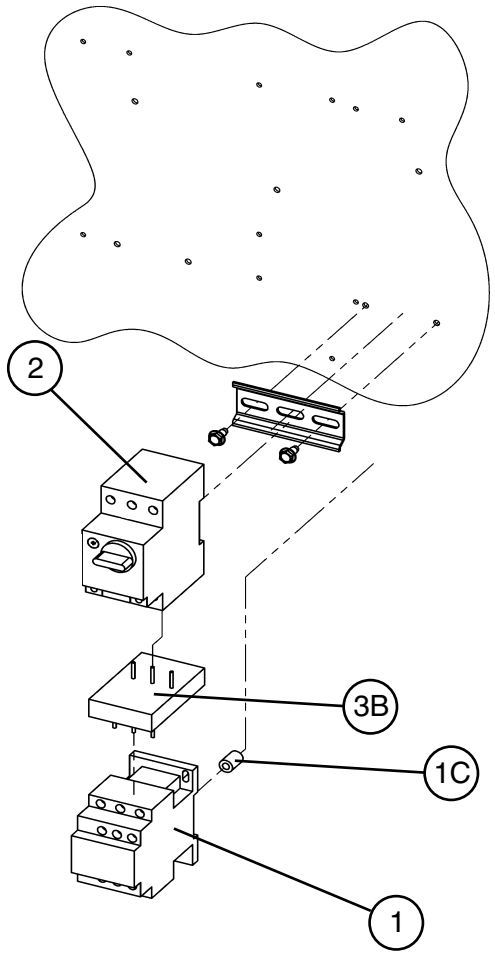
[3] Includes Mechanism (except 600A Switch, see footnote 4).

[4] Handle only p/n 349961102; Mechanism only p/n 193455001; Shaft p/n 349961403.

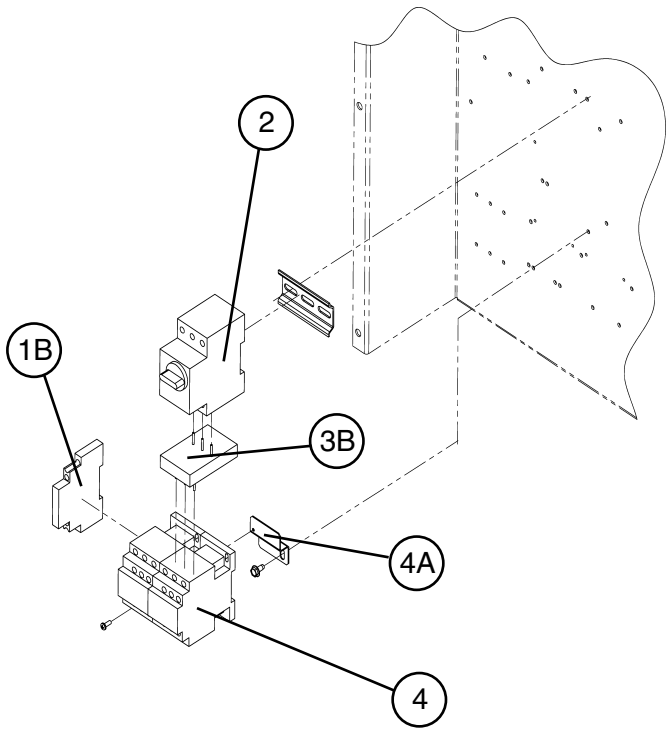
[5] Note that the original Disconnect was obsoleted in early 2010. If an original Disconnect was installed in the unit, due to dimensional differences, minor field modifications may be required for proper installation.

MicroTech II Control Components
Controls- Fan Motor, After 1/07
Code 06= *D*, *S*
Fan Contactor and Motor Protector Configuration Diagrams [1]

Fan Contactor Assembly Without Bypass



Fan Contactor Assembly With Bypass



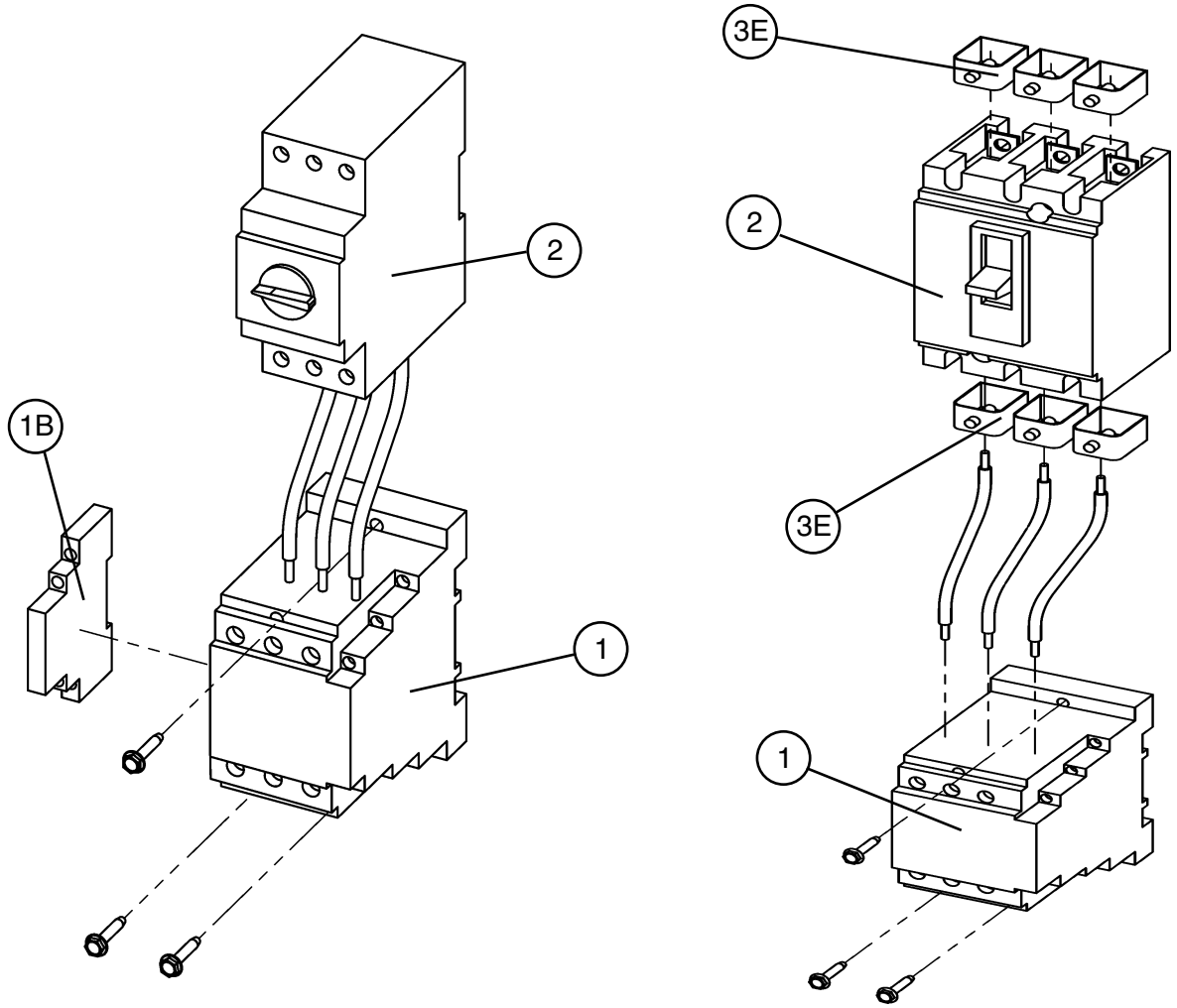
[1] The above diagrams show typical Fan Control components and component locations. Not all components are used in every assembly. For additional Contactor and Manual Motor Protector configurations, refer to the diagrams on the next page.

MicroTech II Control Components

Controls- Fan Motor, After 1/07

Code 06= *D*, *S*

Fan Contactor and Motor Protector Configuration Diagrams, Continued [1]



[1] The above diagrams show typical Fan Control components and component locations. Not all components are used in every assembly. Note that M10 contactors (Ref. #1) are shown above. M30 Bypass contactors (Ref. #4) are located in the same position as M10.

MicroTech II Control Components
Controls- Fan Motor, After 1/07 [1]
Code 06= *D*, *S*
Components, Continued

5 HP Motor- Code 17= J*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932123	1	1		
		Contactor	349932121			1	1
2	MMP10	Manual Motor Protector	349934052	1	1		
		Manual Motor Protector	349934050			1	
		Manual Motor Protector	349934049				1
3B		Link	349932922	1	1	1	1
4	M30	Bypass Contactor	349933123	1	1		
		Bypass Contactor	349933121			1	1
4A		Bypass Contactor Bracket	349962001	1	1	1	1
	CB10	Circuit Breaker	349939622	1	1		
		Circuit Breaker	349939621			1	
		Circuit Breaker	349939601				1

7.5 HP Motor- Code 17= K*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932321	1	1		
		Contactor	349932122			1	
		Contactor	349932121				1
2	MMP10	Manual Motor Protector	349934054	1			
		Manual Motor Protector	349934053		1		
		Manual Motor Protector	349934051			1	
		Manual Motor Protector	349934050				1
3B		Link	349932922	1	1	1	1
4	M30	Bypass Contactor	349933321	1	1		
		Bypass Contactor	349933122			1	
		Bypass Contactor	349933121				1
4A		Bypass Contactor Bracket	349962001	1	1	1	1
	CB10	Circuit Breaker	349939624	1	1		
		Circuit Breaker	349939621			1	
		Circuit Breaker	349939601				1

[1] If the unit was built between 10/06 and 12/06 contact Daikin McQuay Parts with the unit GO and Serial Number in order to corrrectly identify the needed part(s).

MicroTech II Control Components
Controls- Fan Motor, After 1/07 [1]
Code 06= *D*, *S*
Components, Continued

10 HP Motor- Code 17= L*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932322	1	1		
		Contactor	349932123			1	
		Contactor	349932122				1
2	MMP10	Manual Motor Protector	349934055	1	1		
		Manual Motor Protector	349934052			1	
		Manual Motor Protector	349934051				1
3B		Link	349932922	1	1	1	1
4	M30	Bypass Contactor	349933322	1	1		
		Bypass Contactor	349933123			1	
		Bypass Contactor	349933122				1
4A		Bypass Contactor Bracket	349962001	1	1	1	1
	CB10	Circuit Breaker	349939626	1	1		
		Circuit Breaker	349939622			1	
		Circuit Breaker	349939601				1

15 HP Motor- Code 17= M*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932522	1	1		
		Contactor	349932321			1	
		Contactor	349932123				1
2	MMP10	Manual Motor Protector	349934148	1	1		
		Manual Motor Protector	349934053			1	
		Manual Motor Protector	349934052				1
3B		Link	349932922			1	1
4	M30	Bypass Contactor	349933522	1	1		
		Bypass Contactor	349933321			1	
		Bypass Contactor	349933123				1
4A		Bypass Contactor Bracket	349962001			1	1
	CB10	Circuit Breaker	349939629	1	1		
		Circuit Breaker	349939624			1	
		Circuit Breaker	349939604				1

[1] If the unit was built between 10/06 and 12/06 contact Daikin McQuay Parts with the unit GO and Serial Number in order to corrrectly identify the needed part(s).

MicroTech II Control Components
Controls- Fan Motor, After 1/07 [1]
Code 06= *D*, *S*
Components, Continued

20 HP Motor- Code 17= N*

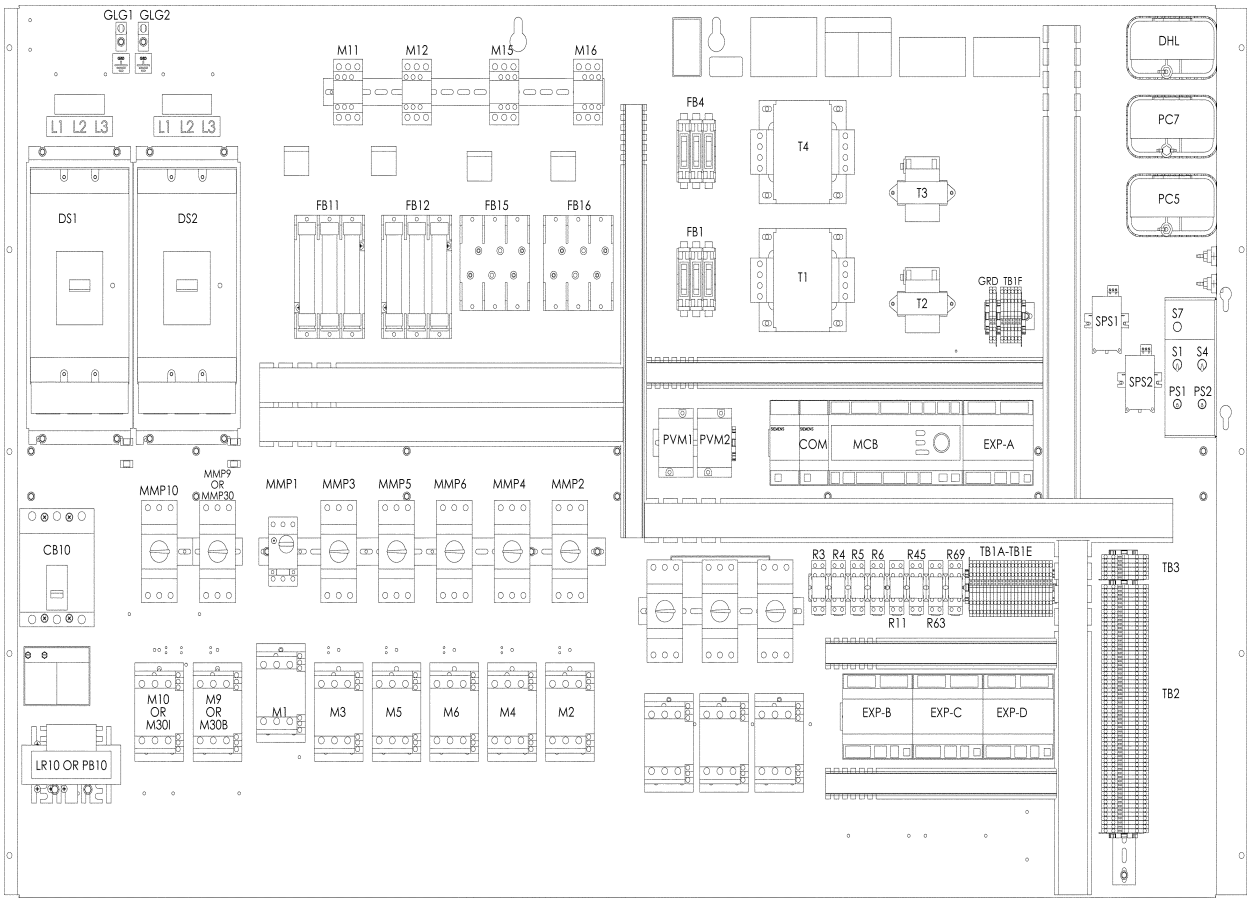
Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932523	1	1		
		Contactor	349932322			1	
		Contactor	349932321				1
2	MMP10	Manual Motor Protector	349934149	1	1		
		Manual Motor Protector	349934055			1	
		Manual Motor Protector	349934053				1
3B		Link	349932922			1	1
4	M30	Bypass Contactor	349933523	1	1		
		Bypass Contactor	349933322			1	
		Bypass Contactor	349933321				1
4A		Bypass Contactor Bracket	349962001			1	1
	CB10	Circuit Breaker	349939631	1			
		Circuit Breaker	349939630		1		
		Circuit Breaker	349939626			1	
		Circuit Breaker	349939604				1

25 HP Motor- Code 17= P*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932621	1	1		
		Contactor	349932521			1	
		Contactor	349932322				1
2	MMP10	Manual Motor Protector	349938606	1			
		Manual Motor Protector	349934149		1		
		Manual Motor Protector	349934147			1	
		Manual Motor Protector	349934054				1
3B		Link	349932922				1
3E		Lugs (3 per kit)	349938801	2			
4	M30	Bypass Contactor	349933621	1	1		
		Bypass Contactor	349933521			1	
		Bypass Contactor	349933322				1
4A		Bypass Contactor Bracket	349962001				1
	CB10	Circuit Breaker	349939632	1			
		Circuit Breaker	349939631		1		
		Circuit Breaker	349939626			1	
		Circuit Breaker	349939606				1

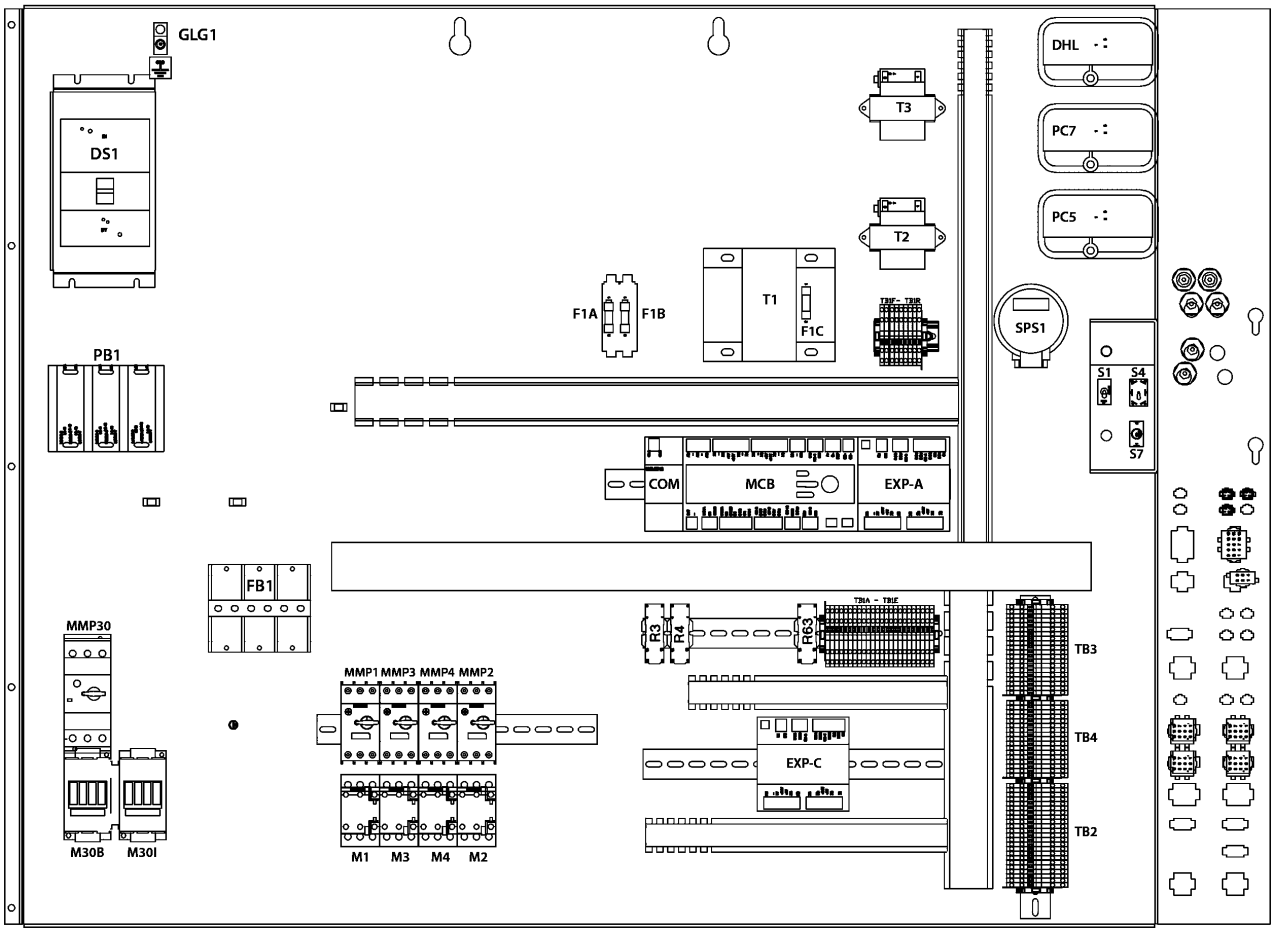
[1] If the unit was built between 10/06 and 12/06 contact Daikin McQuay Parts with the unit GO and Serial Number in order to corrrectly identify the needed part(s).

MicroTech III Control Components
Control Box Diagram 4/13 & Earlier [1]
Code 06= *E*, *F*



[1] Diagram is representative of a typical control box layout. Components and component layout may vary depending upon unit cabinet size and options selected. For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.

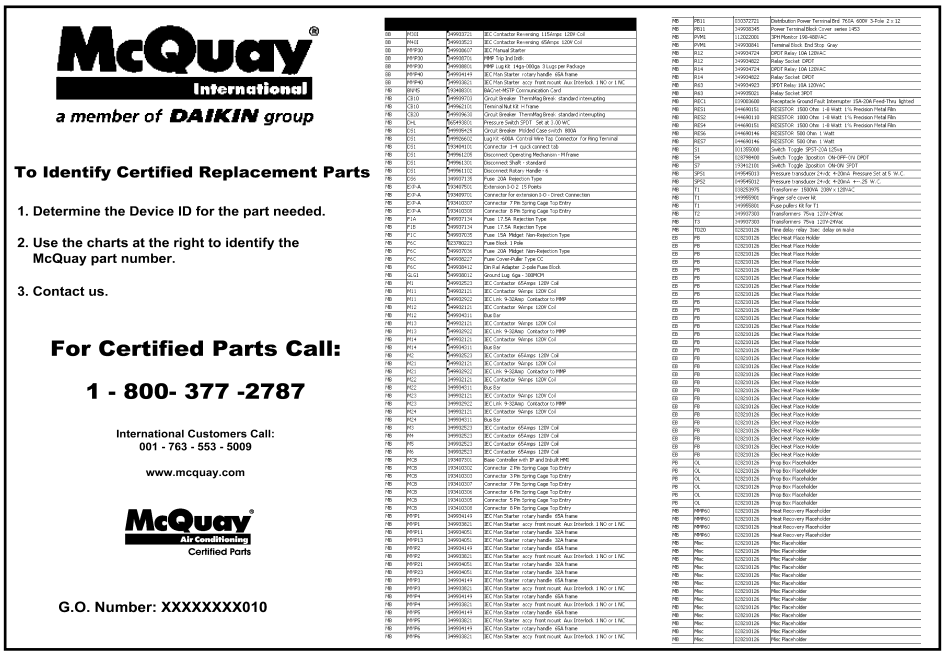
MicroTech III Control Components
Control Box Diagram 6/13 & Later [1]
Code 06= *E*, *F*



[1] Diagram is representative of a typical control box layout. Components and component layout may vary depending upon unit cabinet size and options selected. For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.

Controls

Control Box Component Label Diagram [1]



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1. Determine the Device ID for the part needed.
2. Use the charts at the right to identify the McQuay part number.
3. Contact us.

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BB	K01	149933721
BB	K02	149933523
BB	MP30	149938607
BB	MP80	149938706
BB	MP90	149938801
BB	MPP40	149934149
BB	MPP40	149933821
MB	BMPS	013468201
MB	C1D	149939703
MB	C1D	149962101
MB	CB30	149939630
MB	CHL	660493001
MB	CO1	149939429
MB	CO1	149939601
MB	CO1	013494101
MB	CO1	149961208
MB	CO1	149961301
MB	CO1	149961101
MB	CO6	149937138
MB	ECP-A	330467501
MB	ECP-A	330469701
MB	ECP-A	330410307
MB	ECP-A	330410308
MB	F1A	149937134
MB	F1B	149937134
MB	F1C	149937038
MB	F2C	013780223
MB	F5C	149937038
MB	F6C	149938227
MB	F6C	149938412
MB	GLG1	149938012
MB	H1	149932523
MB	H11	149932123
MB	H11	149932922
MB	H12	149932121
MB	H12	149934311
MB	H13	149932123
MB	H13	149932922
MB	H14	149932123
MB	H14	149934311
MB	H2	149932523
MB	H21	149932121
MB	H21	149932922
MB	H22	149934311
MB	H23	149932123
MB	H24	149932121
MB	H24	149934311
MB	H3	149932523
MB	H4	149932523
MB	H5	149932523
MB	H6	149932523
MB	HC9	149937501
MB	HC9	330410302
MB	HC9	330410303
MB	HC9	330410307
MB	HC9	330410308
MB	HC9	330410305
MB	HC9	330410316
MB	HPP1	349934149
MB	HPP1	349933821
MB	HPP11	349934051
MB	HPP13	349934051
MB	HPP2	349934149
MB	HPP2	349933821
MB	HPP21	349934051
MB	HPP23	349934051
MB	HPP3	349934149
MB	HPP3	349933821
MB	HPP4	349934149
MB	HPP4	349933821
MB	HPP5	349934149
MB	HPP5	349933821
MB	HPP6	349934149
MB	HPP6	349933821

MB	PB11	330372721
MB	PB11	149938345
MB	PVM1	112822001
MB	PVM1	149930841
MB	R12	149934724
MB	R12	149934822
MB	R14	149934724
MB	R14	149934822
MB	R63	149934923
MB	R63	149935921
MB	RECS	019836368
MB	RES1	044640151
MB	RES2	044640110
MB	RES4	044640151
MB	RES6	044640146
MB	RES7	044640146
MB	S1	011355000
MB	S4	029744400
MB	S7	149412101
MB	SPS1	149949311
MB	SPS2	149949311
MB	T1	330253975
MB	T1	149959901
MB	T1	149959901
MB	T2	149957303
MB	T3	149957303
MB	TD20	026230126
EB	PB	026230126
EB	PB	026230126
EB	PB

MicroTech III Control Components
Common Control Box Components
Code 06= *E*, *F*

DEVICE ID	DESCRIPTION	PART NUMBER
MCB	Main Control Board [1]	193407301
EXPA, B, C	Expansion Module	193407501
-	Connector, Extension I/O Direct Connect [2]	193409701
-	Connector, 2-Pin Spring Cage, Top Entry [2]	193410302
-	Connector, 3-Pin Spring Cage, Top Entry [2]	193410303
-	Connector, 5-Pin Spring Cage, Top Entry [2]	193410305
-	Connector, 6-Pin Spring Cage, Top Entry [2]	193410306
-	Connector, 7-Pin Spring Cage, Top Entry [2]	193410307
-	Connector, 8-Pin Spring Cage, Top Entry [2]	193410308
SPS1, 2	Duct Static Pressure Sensor	910124528 [4]
SPS3	Building Static Pressure Sensor	910124529 [4]
PSR1	Refrigerant Pressure Transducer Circuit # 1	065816802
PSR2	Refrigerant Pressure Transducer Circuit # 2	065816802
PC5	Dirty Filter Switch, Prefilter	065493801
PC6	Dirty Filter Switch, Final Filter	065493801
PC7	Airflow Proving Switch	065493801
DHL	Duct High Limit	065493801
T1	Transformer 208 VAC 50VA [3]	349939814
T1	Transformer 230/460 VAC 50VA [3]	349939804
T1	Transformer 575 VAC 50VA [3]	349939824
T1	Transformer 208 VAC 75VA [3]	349939815
T1	Transformer 230/460 VAC 75VA [3]	349939805
T1	Transformer 575 VAC 75VA [3]	349939825
T1	Transformer 208 VAC 100VA [3]	349939816
T1	Transformer 230/460 VAC 100VA [3]	349939806
T1	Transformer 575 VAC 100VA [3]	349939826
-	Finger Safe Cover for T1 Transformer	349955901
T2	Transformer 115/24 VAC 75VA	349937303
T3	Transformer 115/24 VAC 50VA	349937303
SHS1	Space Humidity Sensor, Wall Mount	067294901
SHS1	Space Humidity Sensor, Duct Mount	067295001
WFS	Water Flow Sensor	330571401
ZNT1	Zone Temp. Sensor w/Tenant Override	113117701
ZNT1	Zone Temp. Sensor w/Tenant Override & Remote Set Pt. Adj.	113117801
DAT	Discharge Air Temperature Sensor	193414602
EFT	Entering Fan Air Temperature Sensor	193414602
RAT	Return Air Sensor	193414602
OAT	Outside Air Temperature Sensor	193414602
MAT	Mixed Air Temperature Sensor	193414602
EWT	Entering Water Temperature Sensor	193414602

[1] The Main Control Board must be programmed in order to function correctly. When ordering a replacement MCB, provide the unit model and serial number so the unit specific software code can be loaded before shipment.

[2] These parts are not provided with the Expansion Module. Order separately if needed.

[3] Confirm VA of Transformer required before ordering.

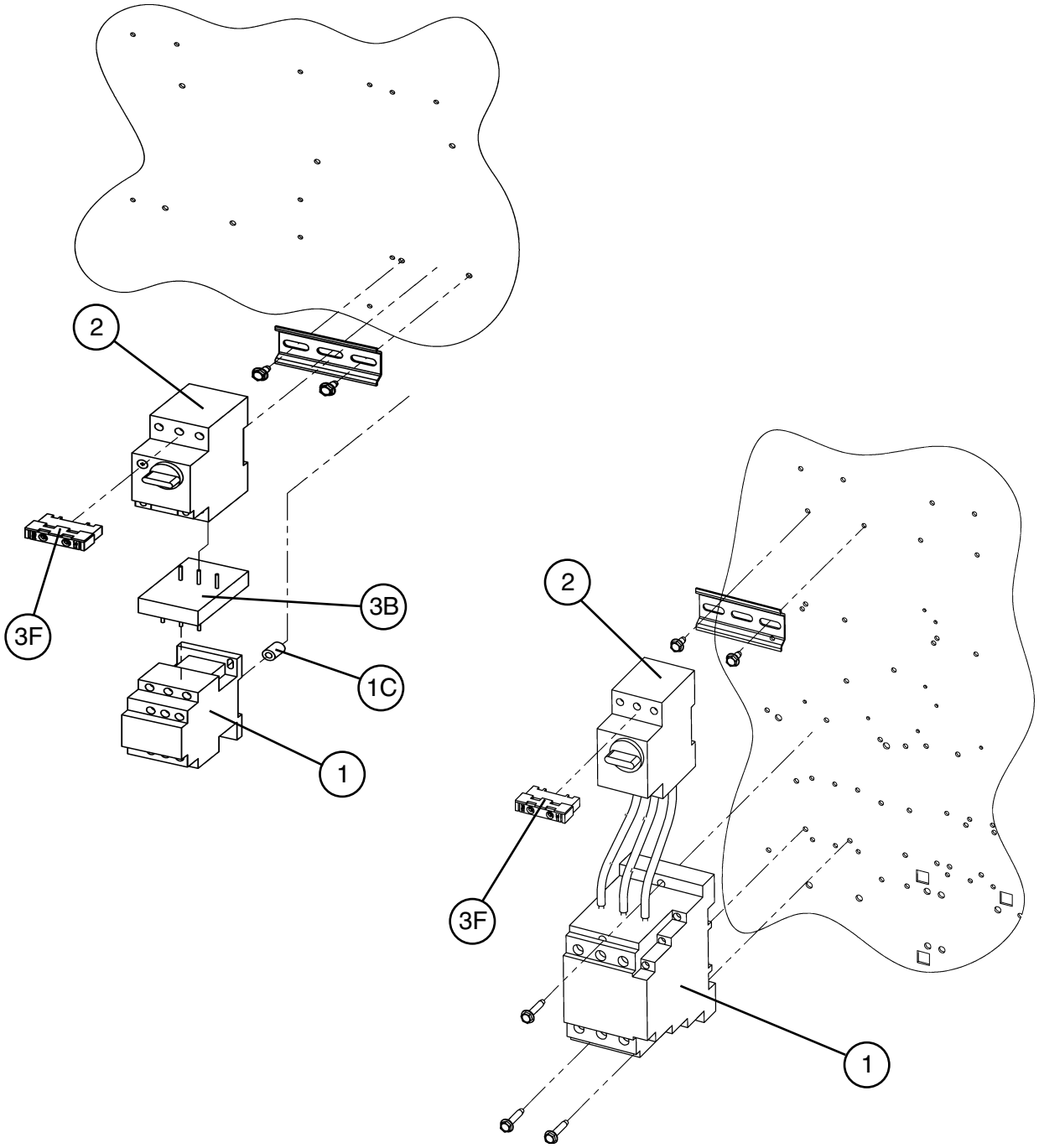
[4] The original Transducer is no longer available. This replacement kit requires minor field modifications for proper installation & operation. The SPS1 or 2 sensor ONLY is p/n: 910117462. The SPS3 sensor ONLY is p/n: 910117463.

MicroTech III Control Components
Common Control Box Components, Continued
Code 06= *E*, *F*

DEVICE ID	DESCRIPTION	PART NUMBER
ER DAT	Energy Recovery Wheel Discharge Air Temperature Sensor	193414602
ER EXH T	Energy Recovery Wheel Exhaust Air Temperature Sensor	193414602
F1A	Fuseblock, Control	023780231
-	Fuseblock Cover	349938227
F1A, B	Fuse, 5A Rejection	349937124
F1C	Fuse, Non-Rejection	[1]
OAE	Enthalpy Control, Electro-Mechanical	030706702
OAE	Enthalpy Control, Comparative	049262201
RAE	Return Air Enthalpy Sensor	049262202
SD1	Smoke Detector, Supply Air	098873101
R3- 6	Relay, High Pressure	349934724
	Relay Base	349934822
R11	Relay, Water Flow Switch	193444502
	Relay Base	193444601
R63	Relay, Duct High Limit	349934724
	Relay Base	349934822
PVM1, 2	Phase Voltage Monitor 208V - 460V	112022001
PVM1, 2	Phase Voltage Monitor 575V	112022002
RES1, 4	Resistor, 1.5K	044690151
RES2, 3	Resistor, 1K	044690110
-	BACnet MS/TP Communication Module (RS-485)	090016710
-	BACnet /IP Communication Module (IP Cable 10 BaseT)	090016709
-	LONMARK Space Comfort Controller (SCC) Communication Module	090016711
-	LONMARK Discharge Air Controller (DAC) Communication Module	090016712
-	Remote Keypad Interface	193408001

[1] F1C varies in amperage depending upon unit options. Confirm the amperage rating of the fuse and contact Daikin McQuay Parts with model and serial number information so that the correct fuse can be ordered.

MicroTech III Control Components
Controls- Compressor 4/13 & Earlier
Code 06= *E*, *F*
Diagrams [1]



[1] The above diagrams show typical Compresor Control components and component locations. Not all components are used in every assembly.

MicroTech III Control Components
Controls- Compressor 4/13 & Earlier
Code 06= *E*, *F*
Components [1]

Ref. No.	Sch. Sym.	Part Description	Part Number	Compressor HP		
				05 HP	10 HP	13 HP
USED WITH 208V COMPRESSORS						
1	M1- 4	Contactor	349932322	1		
		Contactor	349932522		1	
		Contactor	349932523			1
1C		Contactor Spacer	349906501	1	1	
2	MMP1- 4	Manual Motor Protector	349934052	1 [2]		
		Manual Motor Protector	349934053	1 [3]		
		Manual Motor Protector	349934055		1 [2]	
		Manual Motor Protector	349934147		1 [3]	
		Manual Motor Protector	349934148			1
3B		Link	349932922	1	1	
3F		Auxilary Contact 1/NC/1NO	349933821	1	1	1
USED WITH 230V COMPRESSORS						
1	M1- 4	Contactor	349932321	1		
		Contactor	349932521		1	
		Contactor	349932522			1
1C		Contactor Spacer	349906501	1	1	
2	MMP1- 4	Manual Motor Protector	349934052	1 [2]		
		Manual Motor Protector	349934053	1 [3]		
		Manual Motor Protector	349934055		1[2]	
		Manual Motor Protector	349934147		1[3]	1[2]
		Manual Motor Protector	349934148			1[3]
3B		Link	349932922	1	1	
3F		Auxilary Contact 1/NC/1NO	349933821	1	1	1

[1] Quantities shown are per compressor.
[2] Low Temperature Condensing Code 24= S.
[3] High Temperature Condensing Code 24= G.

MicroTech III Control Components
Controls- Compressor 4/13 & Earlier
Code 06= *E*, *F*
Components, Continued [1]

Ref. No.	Sch. Sym.	Part Description	Part Number	Compressor HP		
				05 HP	10 HP	13 HP
USED WITH 460V COMPRESSORS						
1	M1- 4	Contactor	349932123	1		
		Contactor	349932321		1	
		Contactor	349932322			1
1C		Contactor Spacer	349906501	1	1	1
2	MMP1- 4	Manual Motor Protector	349934050	1 [2]		
		Manual Motor Protector	349934051	1 [3]		
		Manual Motor Protector	349934052		1 [2]	
		Manual Motor Protector	349934053		1 [3]	1 [2]
		Manual Motor Protector	349934054			1 [3]
3B		Link	349932922	1	1	1
3F		Auxilary Contact 1/NC/1NO	349933821	1	1	1
USED WITH 575V COMPRESSORS						
1	M1- 4	Contactor	349932123	1		
		Contactor	349932321		1	
		Contactor	349932322			1
1C		Contactor Spacer	349906501	1	1	1
2	MMP1- 4	Manual Motor Protector	349934050	1		
		Manual Motor Protector	349934051		1 [2]	
		Manual Motor Protector	349934052		1 [3]	1 [2]
		Manual Motor Protector	349934053			1 [3]
3B		Link	349932922	1	1	1
3F		Auxilary Contact 1/NC/1NO	349933821	1	1	1

[1] Quantities shown are per compressor.
[2] Low Temperature Condensing Code 24= S.
[3] High Temperature Condensing Code 24= G.

MicroTech III Control Components
Controls- Electric Heat 4/13 & Earlier
Code 06= *E*, *F*
8KW Heater Element Components

SCHEM. SYMBOL	DESCRIPTION	PART NO.	QTY.
208V:			
FB31- FB34	FUSE BLOCK, 30A	023780224	[1]
ON FB31- FB34	FUSE, 30A	025860509	[1]
ON FB31- FB34	FUSE PULLER/COVER	349938229	[1]
M31- M34	CONTACTOR, 40A	349932321	[1]
230V:			
FB31- FB34	FUSE BLOCK, 30A	023780224	[1]
ON FB31- FB34	FUSE, 25A	025860508	[1]
ON FB31- FB34	FUSE PULLER/COVER	349938229	[1]
M31- M34	CONTACTOR, 40A	349932321	[1]
460V:			
FB31- FB34	FUSE BLOCK, 30A	023780225	[1]
ON FB31- FB34	FUSE, 15A	025860405	[1]
ON FB31- FB34	FUSE PULLER/COVER	349938222	[1]
M31- M34	CONTACTOR, 40A	349932321	[1]
575V:			
FB31- FB34	FUSE BLOCK, 30A	023780225	[1]
ON FB31- FB34	FUSE, 15A	025860405	[1]
ON FB31- FB34	FUSE PULLER/COVER	349938222	[1]
M31- M34	CONTACTOR, 40A	349932321	[1]

[1] Quantity varies by options selected. Confirm quantity required before ordering.

MicroTech III Control Components
Controls- Electric Heat 4/13 & Earlier
Code 06= *E*, *F*
17KW Heater Element Components

SCHEM. SYMBOL	DESCRIPTION	PART NO.	QTY.
208/230V:			
FB31- FB34	FUSE BLOCK, 60A	023780229	[1]
ON FB31- FB34	FUSE, 50A	025860513	[1]
ON FB31- FB34	FUSE PULLER/COVER	349938221	[1]
M31- M34	CONTACTOR, 50A	349932322	[1]
460V:			
FB31- FB34	FUSE BLOCK, 30A	023780225	[1]
ON FB31- FB34	FUSE, 30A	025860409	[1]
ON FB31- FB34	FUSE PULLER/COVER	349938222	[1]
M31- M34	CONTACTOR, 40A	349932321	[1]
575V:			
FB31- FB34	FUSE BLOCK, 30A	023780225	[1]
ON FB31- FB34	FUSE, 25A	025860408	[1]
ON FB31- FB34	FUSE PULLER/COVER	349938222	[1]
M31- M34	CONTACTOR, 40A	349932321	[1]

[1] Quantity varies by options selected. Confirm quantity required before ordering.

MicroTech III Control Components
Controls- Disconnect Switch 4/13 & Earlier
Code 06= *E*, *F*

Sch. Sym.	Part Description	Amps	Disconnect Switch Component		
			Switch	Handle [2]	Shaft
DS1, 2	Disconnect Switch	100 Amp	349935125	349935523	349962211
	Disconnect Switch	150 Amp	349935126	349935533	349962212
	Disconnect Switch	250 Amp	349935226	349935533	349962212
	Disconnect Switch	400 Amp	349935325	349935622	349962213
	Disconnect Switch	600 Amp	193438205 [4]	[3, 4]	349962243 [4]

[1] This list includes the most common Disconnects offered. Due to the various unit options available, before ordering it is necessary to confirm what amperage Disconnect is installed in the unit, or if this is not known, contact Daikin McQuay Parts with model and serial number information to ensure that the correct parts(s) are ordered.

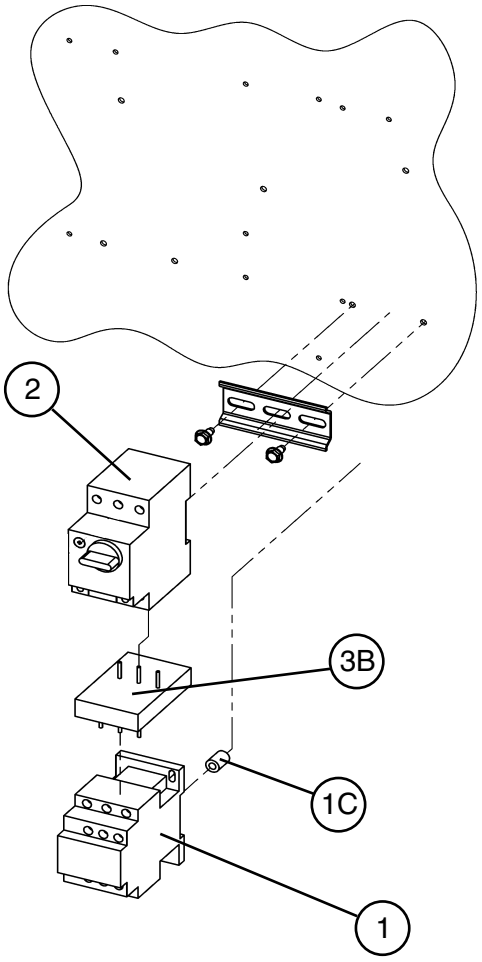
[2] Includes Mechanism (except 600A Switch, see footnote 4).

[3] Handle only p/n 349961102; Mechanism only p/n 193455001; Shaft p/n 349961403.

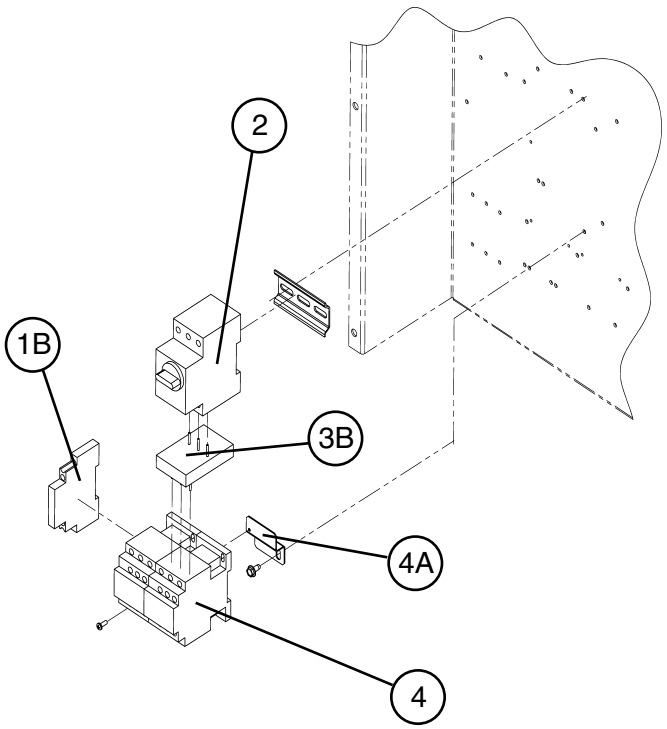
[4] Note that the original Disconnect was obsoleted in early 2010. If an original Disconnect was installed in the unit, due to dimensional differences, minor field modifications may be required for proper installation.

MicroTech III Control Components
Controls- Fan Motor 4/13 & Earlier
Code 06= *E*, *F*
Fan Contactor and Motor Protector Configuration Diagrams [1]

Fan Contactor Assembly Without Bypass

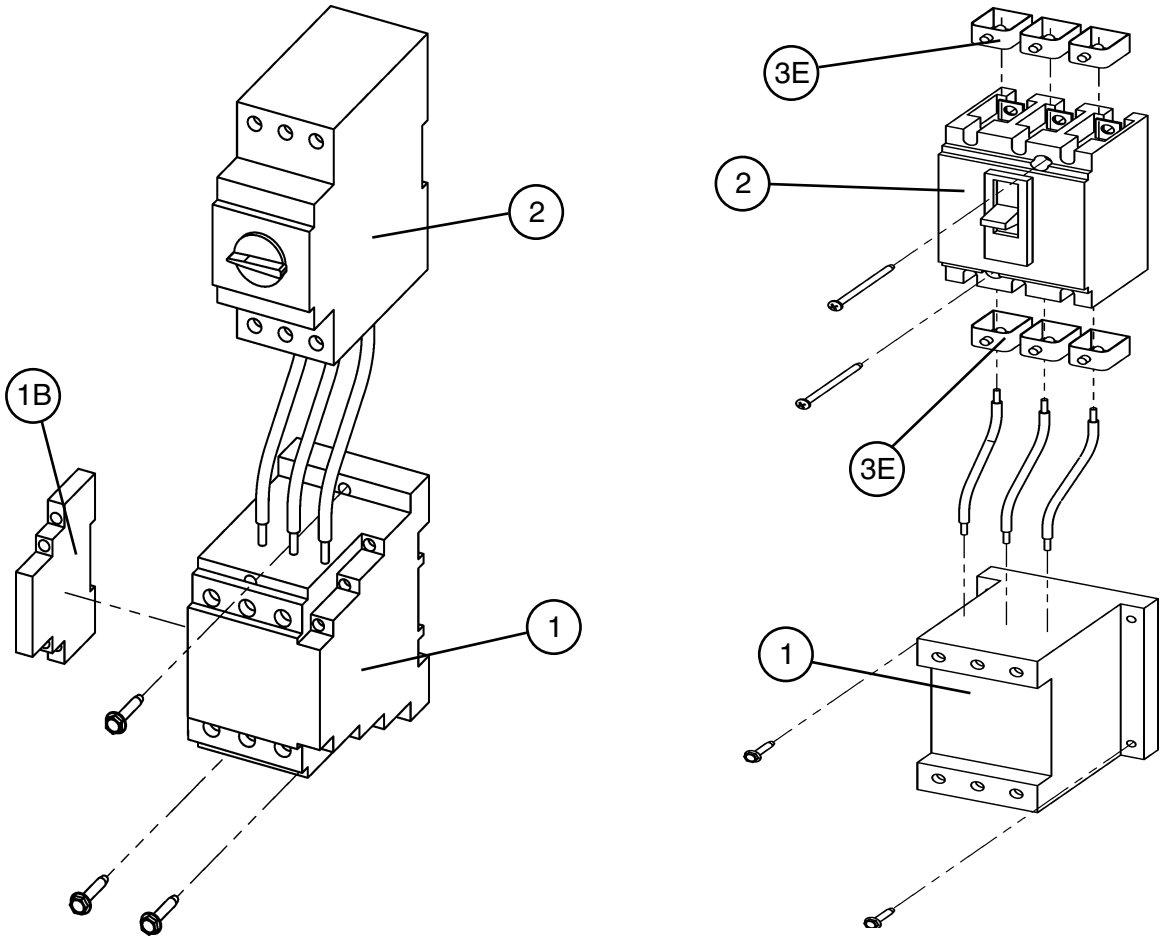


Fan Contactor Assembly With Bypass



[1] The above diagrams show typical Fan Control components and component locations. Not all components are used in every assembly. For additional Contactor and Manual Motor Protector configurations, refer to the diagrams on the next page.

MicroTech III Control Components
Controls- Fan Motor 4/13 & Earlier
Code 06= *E*, *F*
Fan Contactor and Motor Protector Configuration Diagrams, Continued [1]



[1] The above diagrams show typical Fan Control components and component locations. Not all components are used in every assembly. Note that M10 contactors (Ref. #1) are shown above. M30 Bypass contactors (Ref. #4) are located in the same position as M10.

MicroTech III Control Components
Controls- Fan Motor 4/13 & Earlier
Code 06= *E*, *F*
Components

5 HP Motor- Code 17= J*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932123	1	1		
		Contactor	349932121			1	1
1C		Contactor Spacer	349906501	[1]	[1]	[1]	[1]
2	MMP10	Manual Motor Protector	349934052	1	1 [2]		
		Manual Motor Protector	349934051		1 [3]		
		Manual Motor Protector	349934050			1	
		Manual Motor Protector	349934049				1
3B		Link	349932922	1	1	1	1
4	M30	Bypass Contactor	349933123	1	1		
		Bypass Contactor	349933121			1 [2]	1
NS	CB10	Circuit Breaker	349939623	1			
		Circuit Breaker	349939622		1		
		Circuit Breaker	349939621			1	
		Circuit Breaker	349939601				1

7.5 HP Motor- Code 17= K*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932321	1	1		
		Contactor	349932122			1	
		Contactor	349932121				1
1C		Contactor Spacer	349906501	[1]	[1]	[1]	[1]
2	MMP10	Manual Motor Protector	349934054	1 [2]			
		Manual Motor Protector	349934053	1 [3]	1		
		Manual Motor Protector	349934051			1	
		Manual Motor Protector	349934050				1
3B		Link	349932922	1	1	1	1
4	M30	Bypass Contactor	349933321	1 [2]	1		
		Bypass Contactor	349933122			1	
		Bypass Contactor	349933121				1
NS	CB10	Circuit Breaker	349939625	1 [2]			
		Circuit Breaker	349939624	1 [3]	1		
		Circuit Breaker	349939621			1	
		Circuit Breaker	349939601				1

NS= Not Shown on Diagram.
[1] One pc. is used for M10 Contactors and two pc. are used for M30 Contactors.
[2] High Efficiency motors only, Code 17= *E, *H.
[3] Premium Efficiency motors only, Code 17= *S, *T.

MicroTech III Control Components
Controls- Fan Motor 4/13 & Earlier
Code 06= *E*, *F*
Components, Continued

10 HP Motor- Code 17= L*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932322	1	1		
		Contactor	349932123			1	
		Contactor	349932122				1
1C		Contactor Spacer	349906501	[1]	[1]	[1]	[1]
2	MMP10	Manual Motor Protector	349934147	1 [2]			
		Manual Motor Protector	349934055	1 [3]	1		
		Manual Motor Protector	349934052			1 [2]	
		Manual Motor Protector	349934051			1 [3]	1
3B		Link	349932922	1	1	1	1
4	M30	Bypass Contactor	349933521	1 [2]			
		Bypass Contactor	349933322		1		
		Bypass Contactor	349933123			1 [2]	
		Bypass Contactor	349933122				1
NS	CB10	Circuit Breaker	349939627	1 [2]			
		Circuit Breaker	349939626	1 [3]			
		Circuit Breaker	349939625		1		
		Circuit Breaker	349939622			1	
		Circuit Breaker	349939601				1

15 HP Motor- Code 17= M*

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932522	1	1		
		Contactor	349932321			1	
		Contactor	349932123				1
1C		Contactor Spacer	349906501			[1]	[1]
2	MMP10	Manual Motor Protector	349934148	1	1 [2]		
		Manual Motor Protector	349934147		1 [3]		
		Manual Motor Protector	349934053			1	
		Manual Motor Protector	349934052				1
3B		Link	349932922			1	1
4	M30	Bypass Contactor	349933522	1	1 [2]		
		Bypass Contactor	349933321			1	
		Bypass Contactor	349933123				1
NS	CB10	Circuit Breaker	349939629	1	1 [2]		
		Circuit Breaker	349939628		1 [3]		
		Circuit Breaker	349939624			1	
		Circuit Breaker	349939603				1

NS= Not Shown on Diagram.
[1] One pc. is used for M10 Contactors and two pc. are used for M30 Contactors.
[2] High Efficiency motors only, Code 17= *E, *H.
[3] Premium Efficiency motors only, Code 17= *S, *T.

MicroTech III Control Components
Controls- Fan Motor 4/13 & Earlier
Code 06= *E*, *F*
Components, Continued

20 HP Motor- Code 17= N*

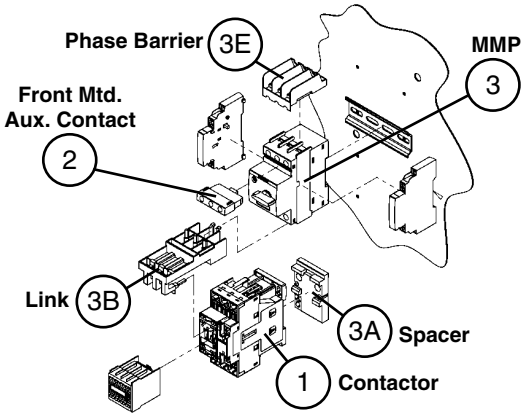
Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932523	1	1		
		Contactor	349932322			1	
		Contactor	349932321				1
1C		Contactor Spacer	349906501			[1]	[1]
2	MMP10	Manual Motor Protector	349934149	1			
		Manual Motor Protector	349934148		1		
		Manual Motor Protector	349934054			1	
		Manual Motor Protector	349934053				1
3B		Link	349932922			1	1
4	M30	Bypass Contactor	349933523	1			
		Bypass Contactor	349933322			1 [2]	
		Bypass Contactor	349933321				1
NS	CB10	Circuit Breaker	349939631	1			
		Circuit Breaker	349939630		1		
		Circuit Breaker	349939626			1 [2]	
		Circuit Breaker	349939625			1 [3]	
		Circuit Breaker	349939603				1

25 HP Motor- Code 17= P*

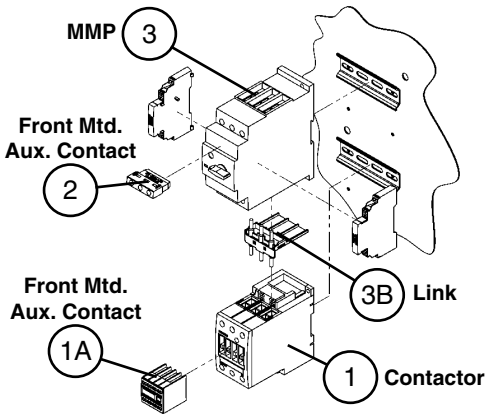
Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor	349932621	1	1		
		Contactor	349932521			1	
		Contactor	349932322				1
1C		Contactor Spacer	349906501				[1]
2	MMP10	Manual Motor Protector	349938606	1			
		Manual Motor Protector	349934149		1		
		Manual Motor Protector	349934055			1	
		Manual Motor Protector	349934054				1
3B		Link	349932922				1
3E		Lugs (3 per kit)	349938801	2			
4	M30	Bypass Contactor	349933621	1	1		
		Bypass Contactor	349933521			1	
		Bypass Contactor	349933322				1
NS	CB10	Circuit Breaker	349939633	1			
		Circuit Breaker	349939631		1		
		Circuit Breaker	349939626			1	
		Circuit Breaker	349939605				1

NS= Not Shown on Diagram.
[1] One pc. is used for M10 Contactors and two pc. are used for M30 Contactors.
[2] High Efficiency motors only, Code 17= *E, *H.
[3] Premium Efficiency motors only, Code 17= *S, *T.

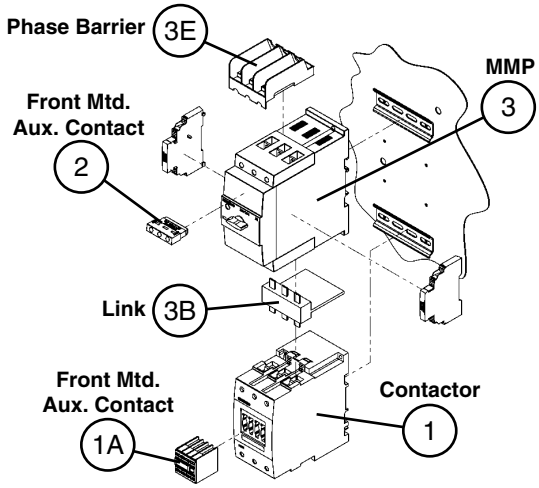
MicroTech III Control Components
Controls- Compressor 6/13 & Later [1, 2]
Code 06= *E*, *F*
Diagrams



MMP1- 4 & M1- 4 Link Detail
6 HP Cmprs.- ALL
10 HP Cmprs.- 460/575V



MMP1- 4 & M1- 4 Link Detail
10 HP Cmprs.- 208/230V
13 HP Cmprs.- 460/575V



MMP1- 4 & M1- 4 Link Detail
13 HP Cmprs.- 208/230V

[1] The above diagrams show typical Compresor Control components and component locations. Not all components are used in every assembly.
[2] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.

MicroTech III Control Components
Controls- Compressor 6/13 & Later [1]
Code 06= *E*, *F*
Components

Ref. No.	Sch. Sym.	Part Description	Part Number	Compressor [2]		
				6HP Code 14 = 05	10HP Code 14 = 10	13HP Code 14 = 12
USED WITH 208V COMPRESSORS						
1	M1- 4	Contactor, 32A	193537305	1		
		Contactor, 50A	193591602		1	
		Contactor, 65A	193591701			1
1A		Auxiliary Contact 2/NC/2NO	193542701		1	1
2		Auxiliary Contact NC or NO	193543801	1		
		Auxiliary Contact NC or NO	193546201		1	1
3	MMP1- 4	Manual Motor Protector	193543010	1		
		Manual Motor Protector	193543305		1	
		Manual Motor Protector	193543402			1
3A		Spacer	193545801	1		
3B		Link	193546001	1		
		Link	193547401		1	
		Link	193547501			1
3E		Phase Barrier	193545501	1		
N/S		Dial Cover	193545301	1		
		Dial Cover	193547601		1	1
USED WITH 230V COMPRESSORS						
1	M1- 4	Contactor, 32A	193537305	1		
		Contactor, 50A	193591602		1	
		Contactor, 65A	193591701			1
1A		Auxiliary Contact 2/NC/2NO	193542701		1	1
2		Auxiliary Contact NC or NO	193543801	1		
		Auxiliary Contact NC or NO	193546201		1	1
3	MMP1- 4	Manual Motor Protector	193543010	1		
		Manual Motor Protector	193543304		1	
		Manual Motor Protector	193543401			1
3A		Spacer	193545801	1		
3B		Link	193546001	1		
		Link	193547401		1	
		Link	193547501			1
3E		Phase Barrier	193545501	1		
		Phase Barrier	193547301			1
N/S		Dial Cover	193545301	1		
		Dial Cover	193547601		1	1

N/S= Not shown on diagram.

[1] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.

[2] Quantities shown are PER compressor.

MicroTech III Control Components
Controls- Compressor 6/13 & Later [1]
Code 06= *E*, *F*
Components, Continued

Ref. No.	Sch. Sym.	Part Description	Part Number	Compressor [2]		
				6HP Code 14 = 05	10HP Code 14 = 10	13HP Code 14 = 12
USED WITH 460V COMPRESSORS						
1	M1- 4	Contactor, 16A	193592006	1		
		Contactor, 32A	193537305		1	
		Contactor, 40A	193591601			1
1A		Auxiliary Contact 2/NC/2NO	193542701			1
2		Auxiliary Contact NC or NO	193543801	1	1	
		Auxiliary Contact NC or NO	193546201			1
3	MMP1- 4	Manual Motor Protector	193543007	1		
		Manual Motor Protector	193543009		1	
		Manual Motor Protector	193543302			1
3A		Spacer	193545801	1	1	
3B		Link	193546001	1	1	
		Link	193547401			1
3E		Phase Barrier	193545501	1	1	
N/S		Dial Cover	193545301	1	1	
		Dial Cover	193547601			1
USED WITH 575V COMPRESSORS						
1	M1- 4	Contactor, 12A	193592005	1		
		Contactor, 16A	193592006		1	
		Contactor, 25A	193598101			1
1A		Auxiliary Contact 2/NC/2NO	193542701			1
2		Auxiliary Contact NC or NO	193543801	1	1	
		Auxiliary Contact NC or NO	193546201			1
3	MMP1- 4	Manual Motor Protector	193543006	1		
		Manual Motor Protector	193543008		1	
		Manual Motor Protector	193543301			1
		Manual Motor Protector	193543303			
3A		Spacer	193545801	1	1	
3B		Link	193546001	1	1	
		Link	193547401			1
3E		Phase Barrier	193545501	1	1	
N/S		Dial Cover	193545301	1	1	
		Dial Cover	193547601			1

N/S= Not shown on diagram.

[1] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.

[2] Quantities shown are PER compressor.

MicroTech III Control Components
Controls- Electric Heat 6/13 & Later [1]
Code 06= *E*, *F*
8KW Heater Element Components

SCHEM. SYMBOL	DESCRIPTION	PART NO.	QTY.
208V:			
FB31- FB34	FUSE BLOCK, 30A	023780224	[2]
ON FB31- FB34	FUSE, 30A	025860509	[2]
ON FB31- FB34	FUSE PULLER/COVER	349938229	[2]
M31- M34	CONTACTOR, 40A	193592005	[2]
230V:			
FB31- FB34	FUSE BLOCK, 30A	023780224	[2]
ON FB31- FB34	FUSE, 25A	025860508	[2]
ON FB31- FB34	FUSE PULLER/COVER	349938229	[2]
M31- M34	CONTACTOR, 40A	193592005	[2]
460V:			
FB31- FB34	FUSE BLOCK, 30A	023780225	[2]
ON FB31- FB34	FUSE, 15A	025860405	[2]
ON FB31- FB34	FUSE PULLER/COVER	349938222	[2]
M31- M34	CONTACTOR, 40A	193592005	[2]
575V:			
FB31- FB34	FUSE BLOCK, 30A	023780225	[2]
ON FB31- FB34	FUSE, 15A	025860405	[2]
ON FB31- FB34	FUSE PULLER/COVER	349938222	[2]
M31- M34	CONTACTOR, 40A	193592005	[2]

[1] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.
[2] Quantity varies by options selected. Confirm quantity required before ordering.

MicroTech III Control Components
Controls- Electric Heat 6/13 & Later [1]
Code 06= *E*, *F*
17KW Heater Element Components

SCHEM. SYMBOL	DESCRIPTION	PART NO.	QTY.
208V:			
FB31- FB34	FUSE BLOCK, 60A	023780229	[2]
ON FB31- FB34	FUSE, 50A	025860513	[2]
ON FB31- FB34	FUSE PULLER/COVER	349938221	[2]
M31- M34	CONTACTOR, 40A	193591601	[2]
230V:			
FB31- FB34	FUSE BLOCK, 60A	023780229	[2]
ON FB31- FB34	FUSE, 50A	025860513	[2]
ON FB31- FB34	FUSE PULLER/COVER	349938221	[2]
M31- M34	CONTACTOR, 40A	193591601	[2]
460V:			
FB31- FB34	FUSE BLOCK, 30A	023780225	[2]
ON FB31- FB34	FUSE, 30A	025860409	[2]
ON FB31- FB34	FUSE PULLER/COVER	349938222	[2]
M31- M34	CONTACTOR, 12A	193592005	[2]
575V:			
FB31- FB34	FUSE BLOCK, 30A	023780225	[2]
ON FB31- FB34	FUSE, 25A	025860408	[2]
ON FB31- FB34	FUSE PULLER/COVER	349938222	[2]
M31- M34	CONTACTOR, 12A	193592005	[2]

[1] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.
[2] Quantity varies by options selected. Confirm quantity required before ordering.

MicroTech III Control Components
Controls- Disconnect Switch 6/13 & Later [1]
Code 06= *E*, *F*

Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	Disconnect Switch [2]					
DS1, 2	Disconnect Switch					
	Switch- 100A	193444703	1	1	1	1
	Handle	193422102	1	1	1	1
	Shaft [3]	193596420	1	1	1	1
	Switch- 150A	193585101	1	1	1	1
	Handle	193422102	1	1	1	1
	Mechanism	193550801	1	1	1	1
	Shaft [3]	193596420	1	1	1	1
	Lugs [5]	193553301	1	1	1	1
	Switch- 250A	193551601	1	1	1	1
	Handle	193595701	1	1	1	1
	Mechanism	193551001	1	1	1	1
	Shaft [4]	300049193	1	1	1	1
	Lugs [5]	193553801	1	1	1	1
	Switch- 400A	193551701	1	1	1	1
	Handle	193595701	1	1	1	1
	Mechanism	193551001	1	1	1	1
	Shaft [4]	300049193	1	1	1	1
	Lugs [5]	193554001	1	1	1	1
	Switch- 600A	193551801	1	1	1	1
	Handle	193595701	1	1	1	1
	Mechanism	193551001	1	1	1	1
	Shaft [4]	300049193	1	1	1	1
	Lugs [5]	193554101	2	2	2	2

[1] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.

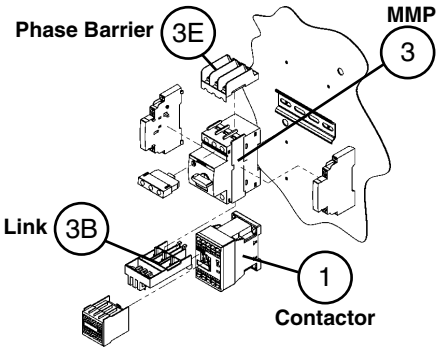
[2] Disconnects are sized according to various unit specifications. Check installed switch to verify the correct Disconnect size, or contact Daikin McQuay Parts with model and serial number information so that the required part(s) can be identified.

[3] This shaft is 14.25” OAL and is designed to be cut to length in the field.

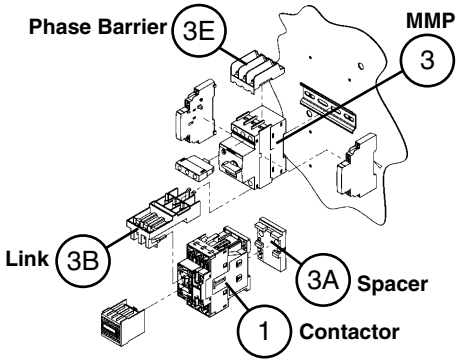
[4] This shaft is 7.21” (183mm) OAL and is designed to be cut to length in the field. For a 19.69” (500mm) OAL use p/n 300040299.

[5] Three Lugs are included with each p/n.

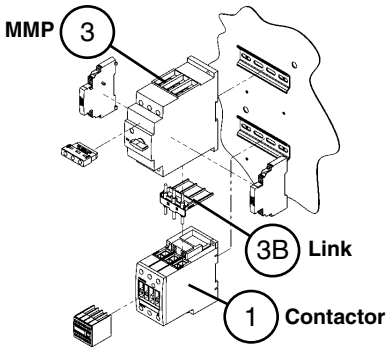
MicroTech III Control Components
Controls- Fan Motor 6/13 & Later [1, 2]
Code 06= *E*, *F*
Fan Contactor and Motor Protector Configuration Diagrams



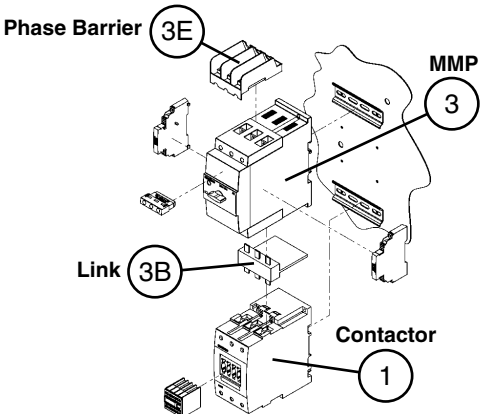
MMP10 & M10 Link Detail
5 HP Motors- 460/575V
7.5 HP Motors- 575V



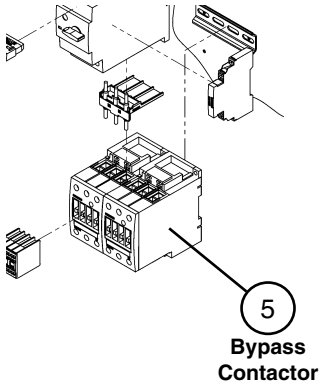
MMP10 & M10 Link Detail
5 HP Motors- 208/230V
7.5 HP Motors- 208/230/460V
10 HP Motors- All Voltages
15, 20 HP Motors- 460V



MMP10 & M10 Link Detail
15 HP Motors- 208/230/575V
20 HP Motors- 575V
25 HP Motors- 460/575V



MMP10 & M10 Link Detail
20, 25 HP Motors- 208/230V



M30B, I & MMP30 Detail
ALL Motors- (Typical) [3]

[1] The above diagrams show typical Fan Motor Control components and component locations. Not all components are used in every assembly.

[2] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.

[3] M30B/M30I Bypass Contactors are installed similar to their standard Contactor counterpart. The drawing above shows a typical, but NOT the only possible, configuration.

MicroTech III Control Components
Controls- Fan Motor 6/13 & Later [1]
Code 06= *E*, *F*
Components

5 HP Motor- Code 17= J*

Ref. No.	Sch. Sym.	Part Description		Part Number	Voltage			
					208V	230V	460V	575V
1	M10	Contactor	25A	193537304	1			
		Contactor	16A	193592006		1		
		Contactor	9A	193534106			1	
		Contactor	7A	193534105				1
3	MMP10, 30	Motor Protector	11- 16A	193543009	1	1		
		Motor Protector	5.5- 8A	193542912			1	1
3A		Spacer		193545801	[2]	[2]		
3B		Link		193546001	1	1		
		Link		193545901			1	1
3E		Phase Barrier		193545501	1	1	1	1
5	M30B, I	Bypass Contactor	25A	193539304	1			
		Bypass Contactor	16A	193592106		1		
		Bypass Contactor	9A	193539106			1	
		Bypass Contactor	7A	193539105				1
N/S	CB10	Circuit Breaker	15A	193550201				1
N/S	FB10	Fuseblock		023780232	1	1	1	
		Fuse	25A	349937136	3			
		Fuse	20A	349937135		3		
		Fuse	10A	349937131			3	
		Fuse Cover/Puller		349938227	[3]	[3]	[3]	
	VFD10	VFD		[4]	[4]	[4]	[4]	[4]

7.5 HP Motor- Code 17= K*

Ref. No.	Sch. Sym.	Part Description		Part Number	Voltage			
					208V	230V	460V	575V
1	M10	Contactor	25A	193537304	1	1		
		Contactor	12A	193592005			1	
		Contactor	9A	193534106				1
3	MMP10, 30	Motor Protector	20- 25A	193543012	1			
		Motor Protector	17- 22A	193543011		1		
		Motor Protector	9- 12.5A	193543008			1	
		Motor Protector	7- 10A	193542913				1
3A		Spacer		193545801	[2]	[2]	[2]	
3B		Link		193546001	1	1	1	
		Link		193545901				1
3E		Phase Barrier		193545501	1	1	1	1
5	M30B, I	Bypass Contactor	25A	193539304	1	1		
		Bypass Contactor	12A	193592105			1	
		Bypass Contactor	9A	193539106				1
N/S	CB10	Circuit Breaker	15A	193550201				1
N/S	FB10	Fuseblock		193428502	1	1		
		Fuseblock		023780232			1	
		Fuse	35A	113085249	3	3		
		Fuse	15A	349937133			3	
		Fuse Cover		193428602	1	1		
		Fuse Cover/Puller		349938227			[3]	
	VFD10	VFD		[4]	[4]	[4]	[4]	[4]

N/S= Not Shown on Diagram. All quantities are PER assembly.
[1] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.
[2] Use 1pc. for M10 and 2pc. for M30B, I.
[3] 1 pc. PER Fuse.
[4] Refer to the Inverter Section for VFD p/ns. Reference Code 12 for Inverter brand supplied.

MicroTech III Control Components
Controls- Fan Motor 6/13 & Later [1]
Code 06= *E*, *F*
Components, Continued

10 HP Motor- Code 17= L*

Ref. No.	Sch. Sym.	Part Description		Part Number	Voltage			
					208V	230V	460V	575V
1	M10	Contactor	32A	193537305	1	1		
		Contactor	16A	193592006			1	
		Contactor	12A	193592005				1
3	MMP10, 30	Motor Protector	27- 32A	193543014	1			
		Motor Protector	23- 28A	193543013		1		
		Motor Protector	11- 16A	193543009			1	
		Motor Protector	9- 12.5A	193543008				1
3A		Spacer		193545801	[2]	[2]	[2]	[2]
3B		Link		193546001	1	1	1	1
3E		Phase Barrier		193545501	1	1	1	1
5	M30B, I	Bypass Contactor	32A	193539501	1	1		
		Bypass Contactor	16A	193592106			1	
		Bypass Contactor	12A	193592105				1
N/S	CB10	Circuit Breaker	15A	193550201				1
N/S	FB10	Fuseblock		193428502	1	1		
		Fuseblock		023780232			1	
		Fuse	50A	113085252	3			
		Fuse	45A	113085251		3		
		Fuse	20A	349937135			3	
		Fuse Cover		193428602	1	1		
		Fuse Cover/Puller		349938227			[3]	
	VFD10	VFD		[4]	[4]	[4]	[4]	[4]

N/S= Not Shown on Diagram. All quantities are PER assembly.

[1] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.

[2] Use 1pc. for M10 and 2pc. for M30B, I.

[3] 1 pc. PER Fuse.

[4] Refer to the Inverter Section for VFD p/ns. Reference Code 12 for Inverter brand supplied.

MicroTech III Control Components
Controls- Fan Motor 6/13 & Later [1]
Code 06= *E*, *F*
Components, Continued

15 HP Motor- Code 17= M*

Ref. No.	Sch. Sym.	Part Description		Part Number	Voltage			
					208V	230V	460V	575V
1	M10	Contactor	50A	193591602	1	1		
		Contactor	25A	193537304			1	
		Contactor	25A	193598101				1
3	MMP10, 30	Motor Protector	36- 45A	193543306	1			
		Motor Protector	28- 40A	193543305		1		
		Motor Protector	14- 20A	193543010			1	
		Motor Protector	11- 16A	193543301				1
3A		Spacer		193545801			[2]	
3B		Link		193547401	1	1		1
		Link		193546001			1	
3E		Phase Barrier		193545501			1	
5	M30B, I	Bypass Contactor	50A	193539502	1	1		
		Bypass Contactor	25A	193539304			1	1
N/S	CB10	Circuit Breaker	20A	193550202				1
N/S	FB10	Fuseblock		349964253	1			
		Fuseblock		193428502		1		
		Fuseblock		023780232			1	
		Fuse	70A	113085254	3			
		Fuse	60A	113085253		3		
		Fuse	30A	349937137			3	
		Fuse Cover		349964263	1			
		Fuse Cover		193428602		1		
		Fuse Cover/Puller		349938227			[3]	
	VFD10	VFD		[4]	[4]	[4]	[4]	[4]

20 HP Motor- Code 17= N*

Ref. No.	Sch. Sym.	Part Description		Part Number	Voltage			
					208V	230V	460V	575V
1	M10	Contactor	65A	193591701	1	1		
		Contactor	32A	193537305			1	
		Contactor	25A	193598101				1
3	MMP10, 30	Motor Protector	45- 63A	193543403	1	1		
		Motor Protector	23- 28A	193543013			1	
		Motor Protector	18- 25A	193543303				1
3A		Spacer		193545801			[2]	
3B		Link		193547501	1	1		
		Link		193546001			1	
		Link		193547401				1
3E		Phase Barrier		193547301	1	1		
		Phase Barrier		193545501			1	
5	M30B, I	Bypass Contactor	65A	193539601	1	1		
		Bypass Contactor	32A	193539501			1	
		Bypass Contactor	25A	193539304				1
N/S	CB10	Circuit Breaker	70A	193550207	1			
		Circuit Breaker	60A	193550206		1		
		Circuit Breaker	30A	193550203				1
N/S	FB10	Fuseblock		193428502			1	
		Fuse	40A	113085250			3	
		Fuse Cover		193428602			1	
	VFD10	VFD		[4]	[4]	[4]	[4]	[4]

N/S= Not Shown on Diagram. All quantities are PER assembly.

[1] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.

[2] Use 1pc. for M10 and 2pc. for M30B, I.

[3] 1 pc. PER Fuse.

[4] Refer to the Inverter Section for VFD p/ns. Reference Code 12 for Inverter brand supplied.

MicroTech III Control Components
Controls- Fan Motor 6/13 & Later [1]
Code 06= *E*, *F*
Components, Continued

25 HP Motor- Code 17= P*

Ref. No.	Sch. Sym.	Part Description		Part Number	Voltage			
					208V	230V	460V	575V
1	M10	Contactor	80A	193591702	1	1		
		Contactor	40A	193591601			1	
		Contactor	32A	193598102				1
3	MMP10, 30	Motor Protector	57- 75A	193543404	1			
		Motor Protector	45- 63A	193543403		1		
		Motor Protector	22- 32A	193543304			1	1
3B		Link		193547501	1	1		
		Link		193546001				
		Link		193547401			1	1
3E		Phase Barrier		193547301	1	1		
5	M30B, I	Bypass Contactor	80A	193539602	1	1		
		Bypass Contactor	32A	193539501			1	1
N/S	CB10	Circuit Breaker	90A	193550209	1			
		Circuit Breaker	80A	193550208		1		
		Circuit Breaker	40A	193550204				1
N/S	FB10	Fuseblock		193428502			1	
		Fuse	50A	113085252			3	
		Fuse Cover		193428602			1	
	VFD10	VFD		[2]	[2]	[2]	[2]	[2]

N/S= Not Shown on Diagram. All quantities are PER assembly.

[1] For units built 5/13, confirm design version supplied or contact Daikin McQuay Parts with model and serial number information so that the correct parts(s) can be identified.

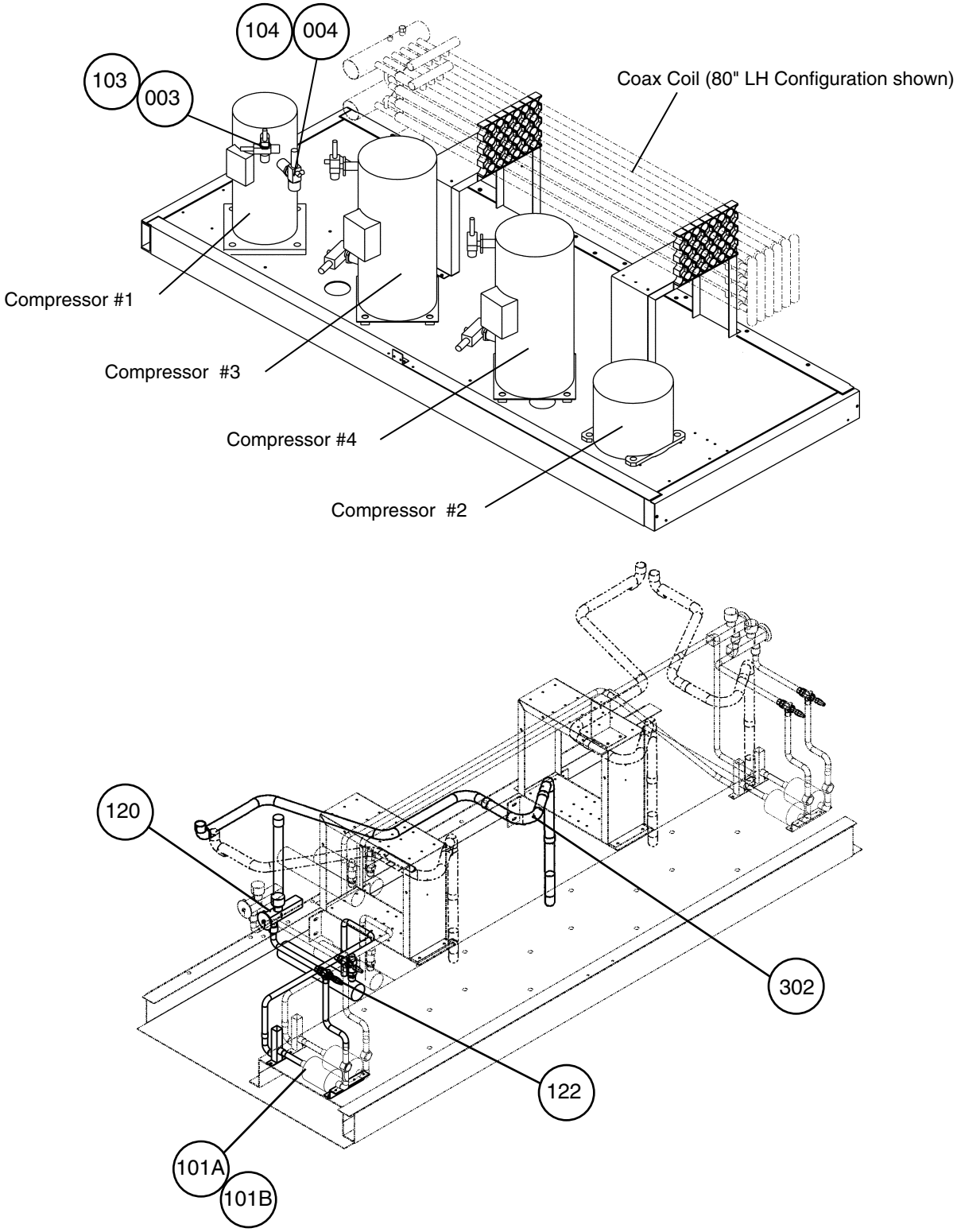
[2] Use 1pc. for M10 and 2pc. for M30B, I.

[3] 1 pc. PER Fuse.

[4] Refer to the Inverter Section for VFD p/ns. Reference Code 12 for Inverter brand supplied.

Refrigeration & Water Components

Refrigeration Circuit Layout Diagrams [1]



[1] Drawings are representative of typical piping layouts. Piping and component layout may differ from the above diagrams based on the age and size of the unit.

Refrigeration & Water Components

Refrigeration Components [1]

REF. NO.	DESCRIPTION	PART NUMBER	COMPRESSOR HP		
			05 HP	10 HP	13 HP
101A	Liquid Line Filter Drier	021057403	1		
	Liquid Line Filter Drier	025938800		1	1
101B	Liquid Line Sight Glass	015997804	1	1	1
N/S	Coax Coil Relief Valve	072401701	1	1	1
103	High Pressure Switch [5]				
	MicroTech [3]	072404601	1	1	1
	MicroTech II or MicroTech III [4]	111050001	1	1	1
104	Low Pressure Switch	047356103	1	1	1
120	TX Valve, 10T	024029623	1		
	TX Valve, 20T	024029622		1	1
122	Shut Off Valve	072401301	1	1	1
302	Suction Relief Valve				
	Relief Valve- Core	026541100	1	1	1
	Relief Valve- Stem	034915300	1	1	1
	Relief Valve- Cap	032943500	1	1	1
003	Discharge Service Valve [2]				
	.875" Valve	072401307	1		
	.875" Valve	072401304		1	
	1.125" Valve	072401303			1
004	Suction Service Valve [2]				
	1.125" Valve	072401308	1		
	1.375" Valve	072401305		1	1

N/S = Not Shown on diagram.

[1] Quantity listed is per compressor.

[2] These valves fit the compressors listed in the compressor section. Due to compressor design changes, they may not fit every installed compressor. Confirm valve port size before ordering.

[3] Code 06= *M*.

[4] Code 06= *D*, *S*, *E*, or *F*.

[5] If Code 06= XXX, contact Daikin McQuay Parts with model and serial number information so that the correct part can be identified.

Refrigeration & Water Components
Coax Coils, Cleanout Plug & O-Ring, Water Valve, Actuator, & Potentiometer

Coax Coils

Coax Coils (Condenser Coils) are serial number specific. Contact Daikin McQuay Parts with Unit GO & Item number and Unit Serial Number in order to identify the required Coil.

Cleanout Plug, & O-Ring

UNIT SIZES	DESCRIPTION	PART NUMBER
ALL	Plug [1]	072401101
ALL	O-Ring [1]	070194922 [2]

[1] This Plug and O-Ring are used on all clean-outs on all SWT units. The quantity will vary depending upon coil selection.
[2] For a quantity of 100 order 070194922H.

Water Valve, Actuator, & Potentiometer: MicroTech & MicroTech II [3]

DESCRIPTION	PART NO.	UNIT SIZE	
		018- 028	035- 045
Water Valve, 1.25"	113135301	1	
Water Valve, 1.5"	113135401		1
Actuator	113105901	1	1
Feedback Potentiometer	113105801	1	1

[3] The original Valve, Potentiometer, and Actuator parts are obsolete. When replacing ANY of the original parts, it is required that ALL THREE of these parts be replaced at the same time. Minor field modifications may be required for proper installation. Quantity of 1 on units without an Economizer.

Water Valve & Actuator: MicroTech III [4]

DESCRIPTION	PART NO.	UNIT SIZE	
		018- 028	035- 045
Water Valve & Actuator, 1.25"	113148501	1	
Water Valve & Actuator, 1.5"	113158601		1

[4] Note that the Valve and Actuator are sold as an assembly and that no Feedback Potentiometer is required. The Actuator ONLY p/n is 113149501.

Compressors
Compressor Availability Chart [1]

UNIT SIZE	COMPRESSOR HP			
	1	2	3	4
018	05	05	-	-
018, 023	05	05	05	-
018, 023, 028	05	05	05	05
023, 028, 035, 040	05	05	05	10
028, 035, 040	05	05	10	10
035, 040	05	10	10	10
035, 040	10	10	10	10
035, 040	10	10	12	12
035, 040	12	12	12	12

[1] For compressor combinations not shown above, or if there is an "X" in the code string for Code 14, contact Daikin McQuay Parts with model and serial number information so that the needed compressor(s) can be correctly identified.

Compressors
Compressors [1]

R22: Code 09= YY

Compr. HP	Voltage	Part Number
05	208/230	072505216
05	460	072505217
05	575	072505218
10	208/230	060009901
10	460	060009902
10	575	060009903
12	208/230	113117001
12	460	060010323
12	575	113117004

R407C: Code 09= CP

Compr. HP	Voltage	Part Number
05	208/230	112028801
05	460	112028803
05	575	112028804
10	208/230	112028901
10	460	112028903
10	575	112028904
12	208/230	113119301
12	460	113119303
12	575	113119304

[1] This is NOT a complete list. For compressor HP ratings not shown above, if there is an "X" in the code string for Code 14, or if unsure as to what compressor is in the unit, contact Daikin McQuay Parts with model and serial number information so that the needed compressor can be correctly identified. The above compressors are the most common ones provided. They are equipped with Rotolock connections. Due to variations in the design of compressors used during the production run, some of these compressors may require minor piping and/or service valve changes in order to ensure correct installation.

Fan Motors & Inverters
Motor & Inverter Availability

Motor Availability

UNIT SIZE	MOTOR HP							
	2	3	5	7.5	10	15	20	25
018	L	L	L, H	H	H			
023		L	L	L, H	H	H		
028			L	L	L, H	H	H	
035			L	L	L, H	H	H	
040				L	L	L, H	H	H

L= Low Speed Motor.
H= High Speed Motor.

Inverter Availability [1]

UNIT SIZE	MOTOR HP					
	05	7.5	10	15	20	25
018	1	1	1			
023		1	1	1		
028			1	1	1	
035			1	1	1	
040			1	1	1	1

[1] Inverters are not available for motors under 5HP.

Fan Motors & Inverters
Motors and Motor Mounts

When the fan code (Code16) is equal to 151Y, 151V, 181Y, 181V, 152Y, or 152V, there is only one motor, and it is defined by Code 17. If Code 16 is equal to 1512, 1812, or 1522, then there is a dual motor controlled fan, and a second, low speed motor is defined by Code 19. The motors listed in the following chart are applicable to both Code 17 and Code 19. Note that Standard efficiency ODP motors (Code 17 or 19= *A) are no longer available. Use OPD HiEff or PrEff motors (Code 17 or 19= *E or *S) instead.

H.P.	Unit Voltage	ODP HiEff C17/19= *E	ODP PrEff. C17/19= *S	TEFC HiEff C17/19= *H	TEFC PrEff C17/19= *T	Motor Mount
	C03= 12					
2	208/60/3	039895700	046515500	049100300	-	073316604
3	208/60/3	039447500	065817100	047358100	065819400	073316605
5	208/60/3	039447600	065817200	049186800	065819500	073316606
7.5	208/60/3	037530300	065817300	047665900	065819600	073316607
10	208/60/3	038999000	065817400	047666100	065819700	073316608
15	208/60/3	039896200	065817500	049186900	065819800	073316609
20	208/60/3	039895800	065817600	049187000	065819900	073316610
25	208/60/3	039448900	065817700	049187100	065820000	073316611
	C03= 29					
2	230/60/3	039446300	205163500	047446000	073321000	073316604
3	230/60/3	039442400	065818100	049262300	065820100	073316605
05	230/60/3	039442500	065818200	040161200	065820200	073316606
7.5	230/60/3	039448700	065818300	049100500	065820300	073316607
10	230/60/3	039446500	065818400	044691100	065820400	073316608
15	230/60/3	039446600	065818500	038689700	065820500	073316609
20	230/60/3	039448800	065818600	040161300	065820600	073316610
25	230/60/3	039896100	065818700	040161400	065820700	073316611
	C03= 27					
2	460/60/3	039446300	205163500	047446000	073321000	073316604
3	460/60/3	039442400	065818100	049262300	065820100	073316605
05	460/60/3	039442500	065818200	040161200	065820200	073316606
7.5	460/60/3	039448700	065818300	049100500	065820300	073316607
10	460/60/3	039446500	065818400	044691100	065820400	073316608
15	460/60/3	039446600	065818500	038689700	065820500	073316609
20	460/60/3	039448800	065818600	040161300	065820600	073316610
25	460/60/3	039896100	065818700	040161400	065820700	073316611
	C03= 37					
2	575/60/3	049181000	205168300	049188200	046514400	073316604
3	575/60/3	046741600	046511700	049188300	046514500	073316605
05	575/60/3	046741900	205168900	049188400	046514600	073316606
7.5	575/60/3	047443300	205168800	049188500	046514700	073316607
10	575/60/3	047443400	205168600	049188600	065821400	073316608
15	575/60/3	047443500	205166600	049185200	065821500	073316609
20	575/60/3	049181100	205166800	049188700	065821600	073316610
25	575/60/3	049181200	205166900	049188800	065821700	073316611

Fan Motors & Inverters
ABB Inverters (VFDs)

Code 12= 3, 4, 7, 8: ABB Model 550 (8/04 & Later) [1]

Part Number	Motor Horsepower																	
	5			7.5			10			15			20			25		
	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V
112046015	1																	
112046002		1																
112046027			1															
112046016				1														
112046003					1													
112046028						1												
112046017							1											
112046004								1										
112046029									1									
112046018										1								
112046005											1							
112046030												1						
112046019													1					
112046006														1				
112046031															1			
112046020																1		
112046007																	1	
112046032																		1

[1] Model 550 inverters replace obsolete Model 401 inverters used in units built before 8/04. The keypad/display p/n for all Model 550 VFDs is 300040924.

Fan Motors & Inverters
Reliance Inverters (VFDs) [1]

Code 12= 1, 5, 6, 9: Reliance Model 2151

Part Number	Motor Horsepower											
	5		7.5		10		15		20		25	
	208/230V	460/575V	208/230V	460/575V	208/230V	460/575V	208/230V	460/575V	208/230V	460/575V	208/230V	460/575V
072600314	1											
072600301		1										
072600315			1									
072600302				1								
072600316					1							
072600303						1						
072600317							1					
072600304								1				
072600318									1			
072600305										1		
072600306												1

Code 12= 1, 5, 6, 9: Reliance Model VTAC9

Part Number	Motor Horsepower											
	5		7.5		10		15		20		25	
	208/230V	460V	208/230V	460V	208/230V	460V	208/230V	460V	208/230V	460V	208/230V	460V
098861468	1											
098861454		1										
098861469			1									
098861455				1								
098861470					1							
098861456						1						
098861457								1				
098861458										1		
098861459											1	

[1] Due to changes made during the production run, confirm which series Inverter has been installed before ordering. Also, some of these drives may not longer be available. If this is the case, contact Daikin McQuay Parts with model and serial number information so that a replacement drive can be identified. If a new drive is specified, minor field modifications made be required for proper installation.

Fan Motors & Inverters
MD2, MD3, MD6 Inverters (VFDs)

Code 12= S, Q: MD2, MD3, MD6

Part Number	Motor Horsepower																	
	5			7.5			10			15			20			25		
	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V
193475809 [1]	1																	
193475825 [1]		1																
193456304 [2, 3]			1															
193475810 [1]				1														
193475826 [1]					1													
193456305 [2, 3]						1												
193475811 [1]							1											
193475827 [1]								1										
193456306 [2, 3]									1									
193475812 [1]										1								
193475828 [1]											1							
193456307 [2, 3]												1						
193475813 [1]													1					
193475829 [1]														1				
193456308 [2, 3]															1			
193475814 [1]																1		
193475830 [1]																	1	
349956647 [4]																		1

[1] Early production units shipped with ATV21 VFDs. All ATV21 drives have been replaced with ATV212 drives as listed above. These new drives are drop in replacements with the exception of the Remote Keypad and Communication Cards.
The ATV21 Remote Keypad is p/n 349958801. The ATV21 Lonworks communication card is p/n 349927103. The ATV212 Remote Keypad is p/n 349958805 and the Remote Keypad Mounting kit is p/n 349958803. The ATV212 Lonworks communication card is p/n 193482601. All other ATV212 communication cards are integral to the VFD and are not available separately.

[2] MD3 Remote Keypad p/n is 349958802.

[3] For 575V units with an MD3 Inverter and motor 20 HP or smaller a Line Reactor will be automatically installed. See the table one page after next for Line Reactor part numbers.

[4] MD6 Remote Keypad p/n is 349958805 plus Mount p/n 349958803.

Fan Motors & Inverters
MD4, MD5 Inverters (VFDs)

Code 12= B: MD4, MD5 [1]

Part Number	Motor Horsepower																	
	5			7.5			10			15			20			25		
	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V
193552215	1																	
193552202		1																
193552327			1															
193552216				1														
193552203					1													
193552328						1												
193552217							1											
193552204								1										
193552329									1									
193552218										1								
193552205											1							
193552330												1						
193552319													1					
193552206														1				
193552331															1			
193552320																1		
193552207																	1	
193552332																		1

[1] The replacement VFD Keypad Display is p/n 300040924.

Fan Motors & Inverters

Fan Motor VFD Line Reactors [1]

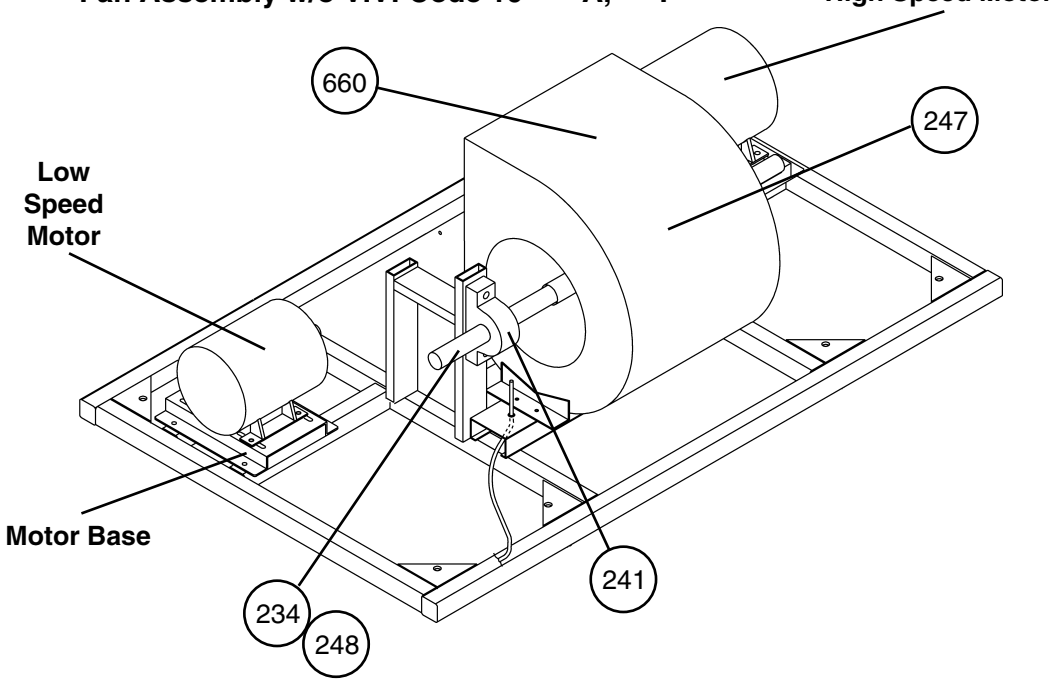
Part Number	Motor Horsepower																							
	2			3			5			7.5			10			15			20			25		
	208V/230V	460V	575V	208V/230V	460V	575V	208V/230V	460V	575V	208V/230V	460V	575V	208V/230V	460V	575V	208V/230V	460V	575V	208V/230V	460V	575V	208V/230V	460V	575V
073323541	1																							
073323502		1																						
349964953 [2]			1																					
073323517				1																				
073323533					1																			
349964953 [2]						1																		
073323518							1																	
073323503								1																
349964929 [2]									1															
073323519										1														
073323504											1													
349964932 [2]												1												
073323520													1											
073323505														1										
349964927 [2]															1									
073323511																1								
073323506																	1							
349964930 [2]																		1						
073323512																			1					
073323534																				1				
349964931 [2]																					1			
073323521																						1		
073323507																							1	
349964926 [2]																								1

[1] Line reactors are optional for all voltages and motor sizes; EXCEPT for units built 6/13 & Earlier, 575V, 2HP thru 20HP, using MD2 or MD3 Inverters. In this instance, a line reactor is installed automatically.

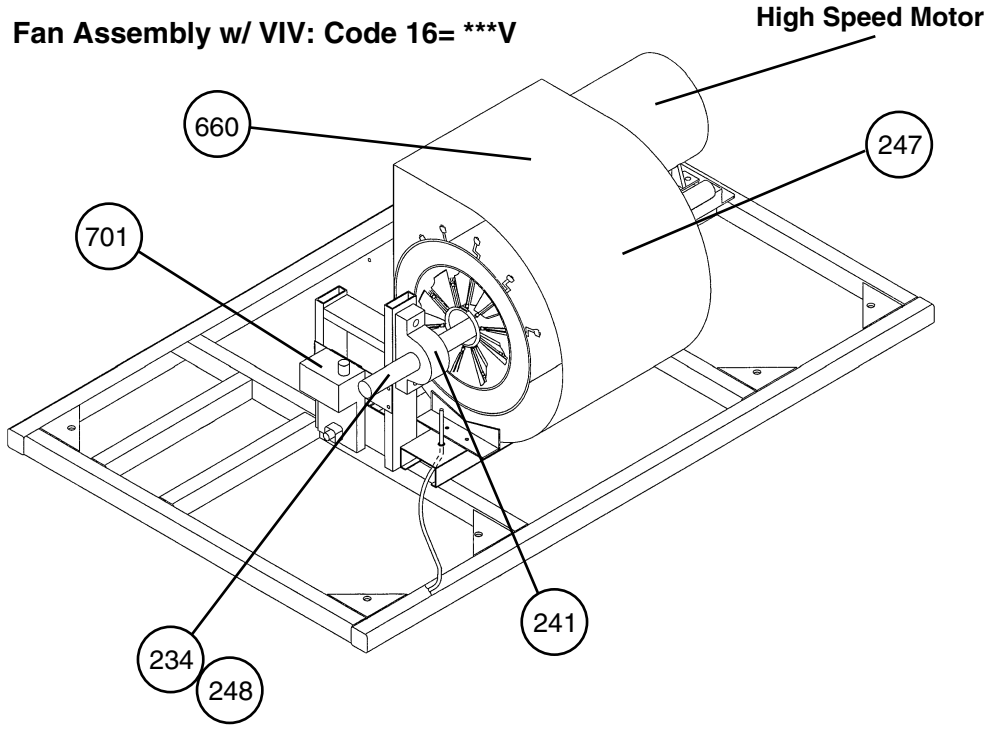
[2] These are 5% impedence line reactors. Some units may have had 3% impedence line reactors installed, the 5% may be used in their place. Due to dimensional differences, minor field modifications may be required for proper installation.

Fan Assembly Components
SWT 018C, 023C, 028C
Diagrams

Fan Assembly w/o VIV: Code 16= ***A, ***Y

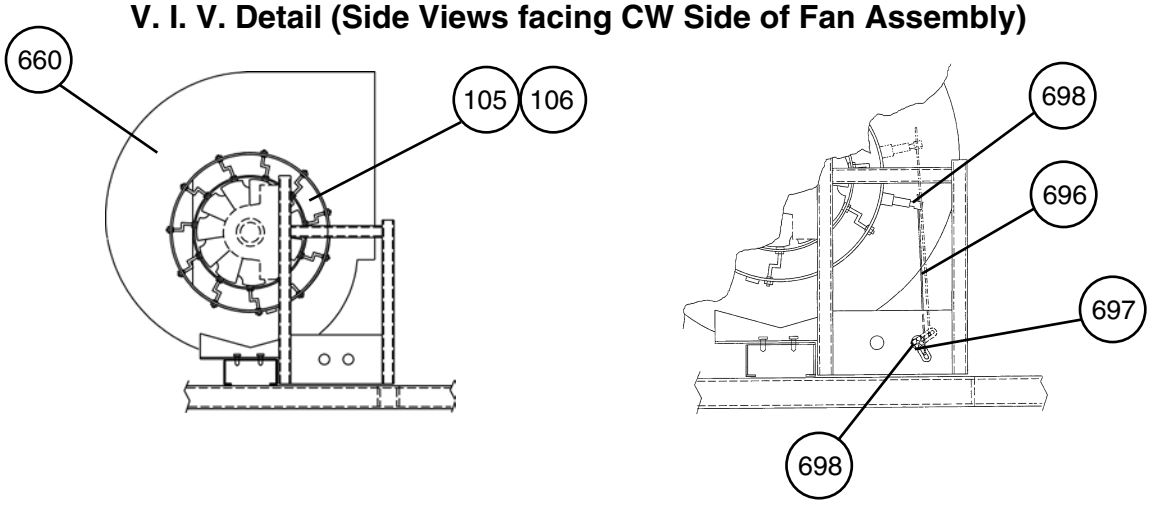


Fan Assembly w/ VIV: Code 16= ***V

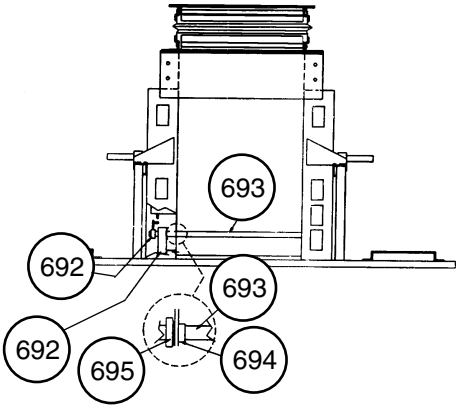


Fan Assembly Components
SWT 018C, 023C, 028C
Diagrams, Continued

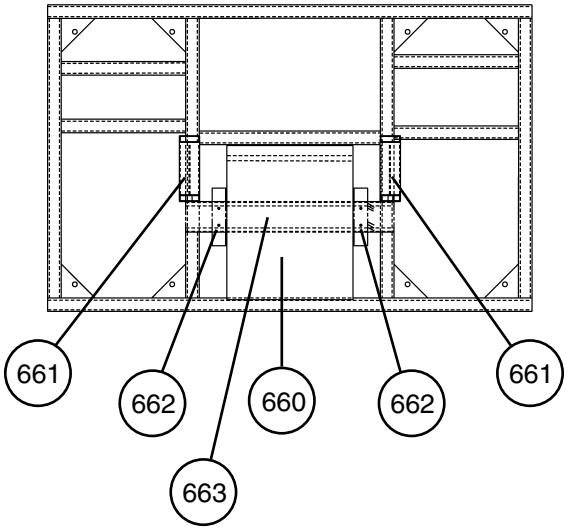
V. I. V. Detail (Side Views facing CW Side of Fan Assembly)



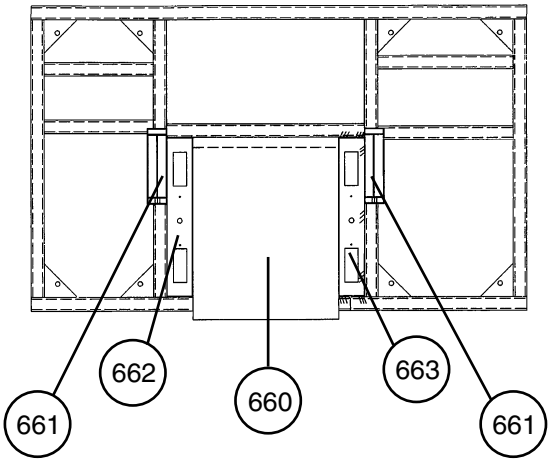
V. I. V. Detail (End View)



Top View- 018C



Top View- 023C, 028C

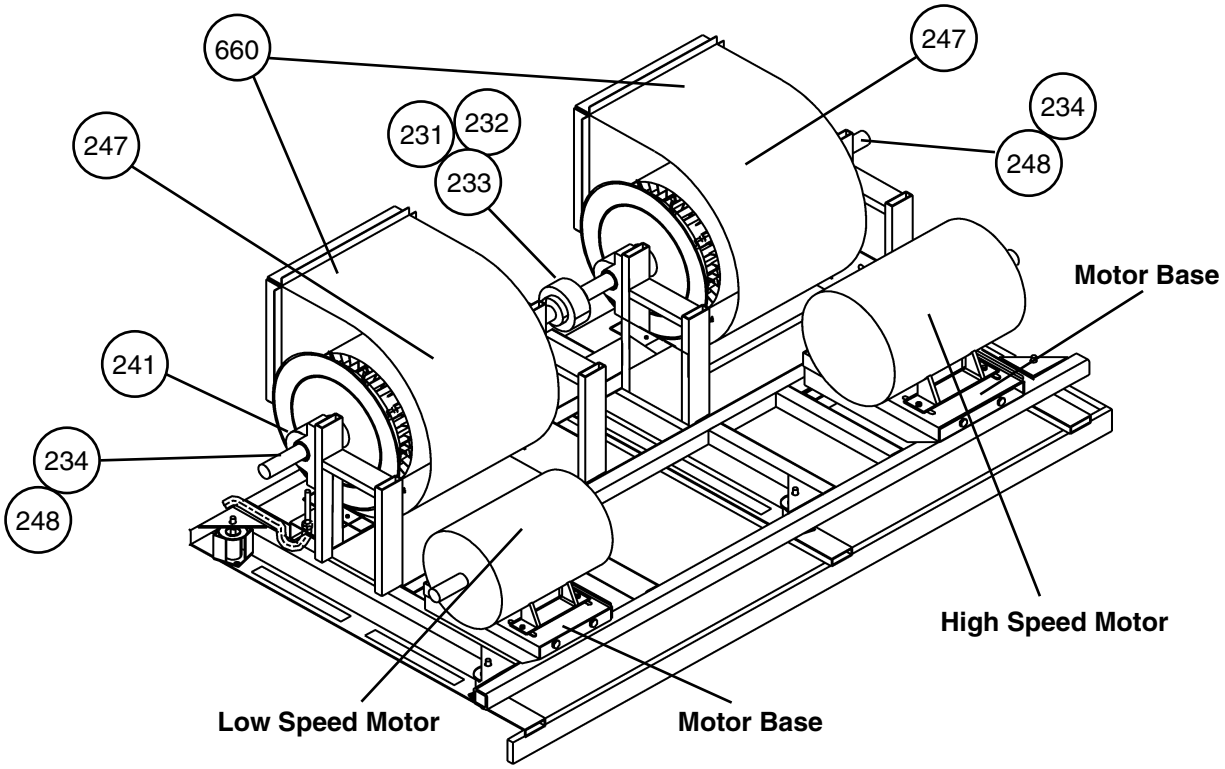


Fan Assembly Components
SWT 018C, 023C, 028C
Components

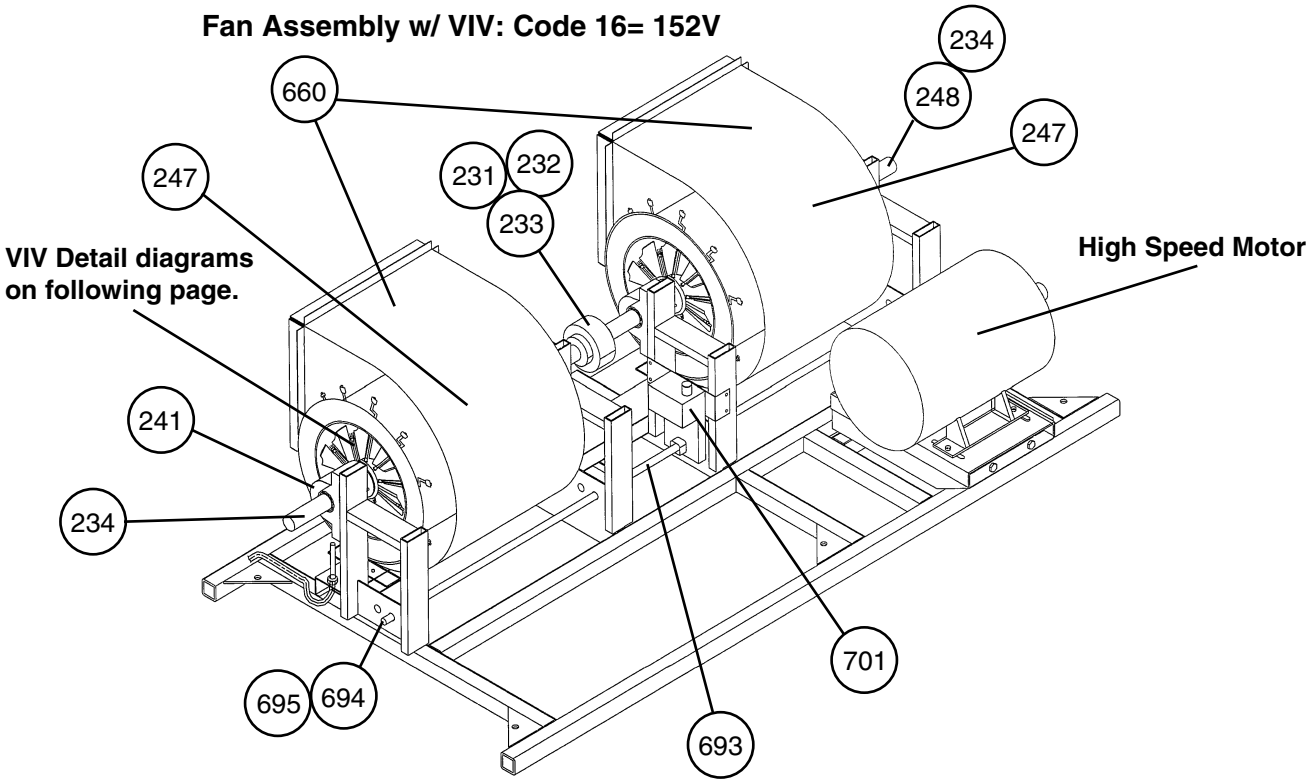
Ref. No.	Description	Unit Size		Qty.
		018	023, 028	
105	Inlet Guide Vane- CW	049752603	049752607	1
106	Inlet Guide Vane- CCW	049752604	049752608	1
234	Fan Shaft	072508301	072440804	1
241	Fan Bearing	020648617	020648618	2
247	Shaft Key	023221416	023221520	1
248	Shaft Key	023221407	023221505	1
660	Wheel/Housing Assy.	072501701	072501702	1
661	Bearing Support	074435101	074435102	2
662	Fan Bracket	072572401	-	2
	Fan Angle Bracket	-	072509501	1
663	Support Channel	072579501	-	1
	Fan Angle Bracket	-	072509502	1
692	Actuator Bracket	072391502	072323406	1
693	Actuator Shaft	072441303	072441304	1
694	Sleeve Bearing	047138529	047138529	2
695	Shaft Collar	072402901	072402901	1
696	Actuator Shaft	072543202	072543201	2
697	Lever	072441004	072441004	2
698	Ball Joint	034250500	034250500	4
701	Actuator Motor Assy.	072335001	072335001	1
	Motor Only	072500503	072500503	1
	Potentiometer Only	072405001	072405001	1
	6 Pin Plug Housing	049264503	049264503	1
	Terminal Pin	049123802	049123802	6

Fan Assembly Components
SWT 035, 040C
Diagrams

Fan Assembly w/o VIV: Code 16= 152Y

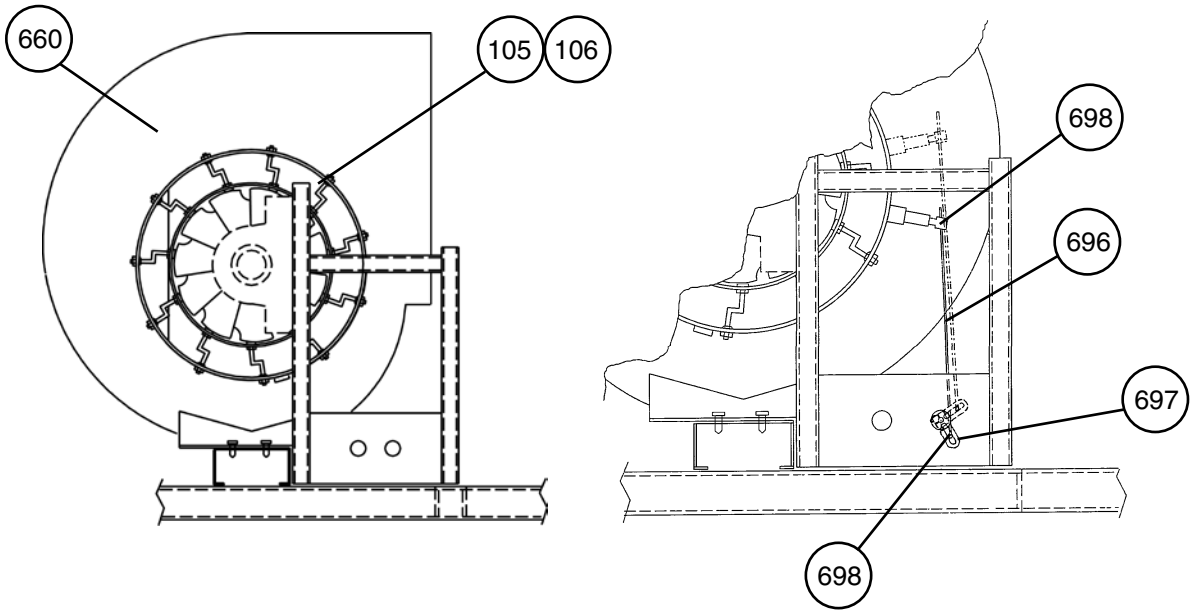


Fan Assembly w/ VIV: Code 16= 152V

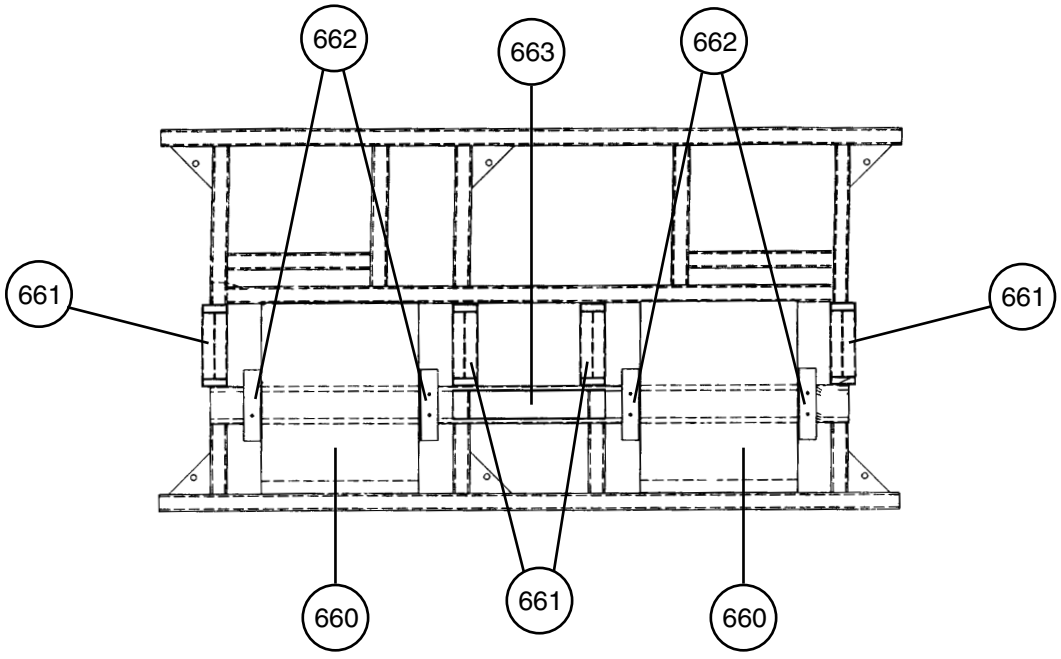


Fan Assembly Components
SWT 035, 040C
Diagrams, Continued

V. I. V. Detail (CW Side of Fan Assembly)



Top View



Fan Assembly Components
SWT 035, 040C
Components

Fan Assembly w/o VIV: Code 16= 152Y (2000 & Earlier [1])
Fan Assembly w/ VIV: Code 16= 152V (All years)

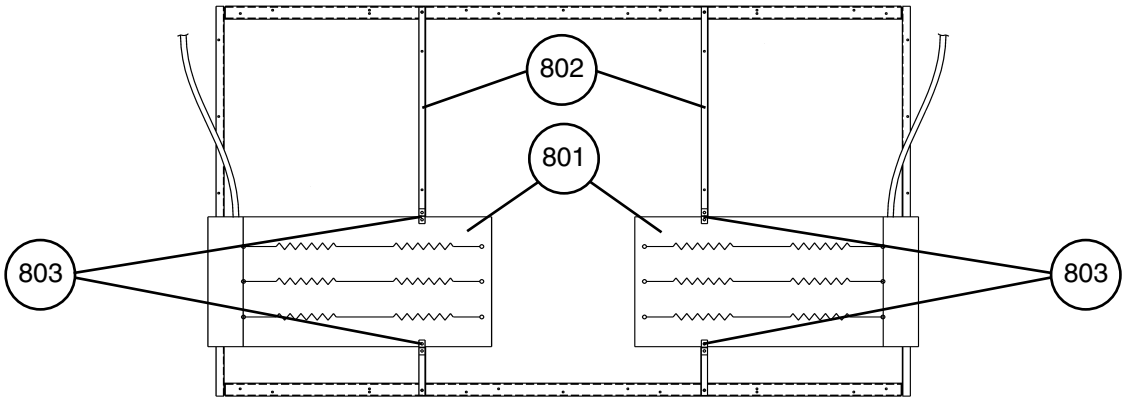
Ref. No.	Description	Part Number	Used w/VIV	Qty
105	Inlet Vane Assy.- CW	049752603	x	2
106	Inlet Vane Assy.- CCW	049752604	x	2
231	Flange Coupling- 5.25"	072406701		2
232	Coupling Disc- 5.25"	072406801		2
233	Taper Bushing- 1.688"	072406601		2
234	Fan Shaft- 1.688"	072505801		2
241	Fan Bearing- 1.688"	020648617		4
247	Shaft Key	023221416		2
248	Shaft Key	023221407		[2]
660	Wheel/Housing Assy.	072501701		2
	Wheel Only	300042349		2
661	Bearing Support	074435101		4
662	Fan Bracket	072572401		4
663	Channel	072572202		1
693	Actuator Shaft	072441307	x	1
694	Sleeve Bearing	047138529	x	4
695	Shaft Collar	072402901	x	4
696	Actuator Shaft	072543202	x	4
697	Actuator Lever	072441004	x	4
698	Ball Joint	034250500	x	8
701	Actuator Motor Assy.	072335001	x	1
	Actuator Only	072500503	x	1
	Potentiometer	072405001	x	1
	6 Pin Housing	049264503	x	1
	Terminal Pin	049123802	x	6
N/S	Actuator Bracket	072391502	x	1

Fan Assembly w/o VIV: Code 16= 152Y (2002 & After [1])

Ref. No.	Description	Part Number	Qty
660	Wheel/Fan Assembly [3]	205326601	1
	Fan Wheel	205326614	2
	Fan Shaft- 2.188"	205326622	1
	Fan Bearing- 2.188"	020648604	2

[1] For units built in 2001, contact Daikin McQuay Parts to identify which Fan Assembly was used.
[2] Quantity of one pc. for units with one motor and two pc. for units with High AND Low speed motors. For a Low Speed motor to be present Code 19 CANNOT= YY for units built 2000 and Earlier.
[3] This p/n includes two Fan Wheel/Housing assemblies, the Fan Shaft and Bearings.

Electric Heater Elements, Hot Water Heating Coils, Waterside Economizer Coils, & Evaporator Coils



Electric Heater Elements

REF NO.	DESCRIPTION	PART NO.	16kW					34kW				
			018	023	028	035	040	018	023	028	035	040
801	Electric Heater, 8 kW, 208/230V	060016801	2	2	2	NA	NA					
	Electric Heater, 8 kW, 460V	060016802	2	2	2	NA	NA					
	Electric Heater, 17kW, 208/230V	072600201						NA	NA	NA	2	2
	Electric Heater, 17kW, 460V	072600202						NA	NA	NA	2	2
	Electric Heater, 17kW, 575V	072600203						NA	NA	NA	2	2
802	Bracket	072537101	2	2	2	NA	NA					
	Bracket	072470302						NA	NA	NA	2	2
803	Zee Bracket	072434801	4	4	4	NA	NA	NA	NA	NA	4	4

NA= Not Available.

Hot Water Heating Coils

Hot Water Heating Coils are serial number specific. Contact Daikin McQuay Parts with Unit GO & Item number and Unit Serial Number in order to identify the required coil.

Waterside Economizer Coils

Economizer Coils are serial number specific. Contact Daikin McQuay Parts with Unit GO & Item number and Unit Serial Number in order to identify the required coil.

Evaporator Cooling Coils

Evaporator Cooling Coils are serial number specific. Contact Daikin McQuay Parts with Unit GO & Item number and Unit Serial Number in order to identify the required coil.

Filters & Ultraviolet Light Components

Filters

DESCRIPTION	PART NO.	UNIT SIZE				
		018	023	028	035	040
35% Nominal Efficiency:						
Filter, 16 x 20 x 4	072402301	4	4	4		
Filter, 20 x 20 x 2	111046104	6	6	6		
Filter, 20 x 20 x 4	072402303	6	6	6		
Filter, 20 x 25 x 2	031298004	2	2	2	10	10
Filter, 20 x 25 x 4	072402304	2	2	2	10	10
65% Nominal Efficiency:						
Filter, 16 x 20 x 4	072405701	4	4	4		
Filter, 20 x 20 x 4	072405703	6	6	6		
Filter, 20 x 25 x 4	072405704	2	2	2	10	10
85% Nominal Efficiency:						
Filter, 20 x 20 x 4	072407603	6	6	6		
Filter, 20 x 25 x 4	072405704	2	2	2	10	10

Ultraviolet Light Components

DESCRIPTION	PART NO.
UV Light Fixture 18"	205484001
UV Light Bulb 18"	205484501
UV Light Fixture 24"	205484101
UV Light Bulb 24"	205484601
UV Light Fixture 36"	205484201
UV Light Bulb 36"	205484701
UV Light Junction Box/Cover	205485501